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**3M**  
COMPANY





GENERAL OFFICES • 3M CENTER • SAINT PAUL, MINNESOTA 55101 • TEL. (612) 733-1110

**Microfilm Products Division**

September 25, 1972

Welcome to Washington, D. C.! We hope you find your Library Workshop most effective and beneficial.

Several programs on your agenda deal with microfilm materials and equipment. Since 3M is one of the largest manufacturers of equipment and supplies for the micrographic field, we take pleasure in presenting to you this folder which offers a representative sample of our products. You are undoubtedly quite familiar with microfilm equipment and, naturally, we hope that if you are not already, you will become more familiar with 3M microfilm equipment.

Here's wishing you a good and productive conference -- should you have any questions regarding 3M equipment or supplies, please feel free to give me a call at my office in Washington (202-298-9200) or drop me a line anytime:

3M Company  
1750 Pennsylvania Avenue  
Suite 1100  
Washington, D. C. 20006

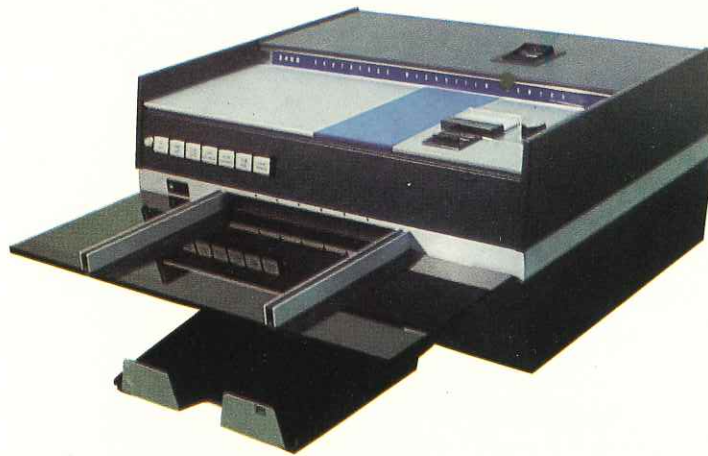
Sincerely,

A handwritten signature in dark ink that reads 'Richard E. Wilson'. The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

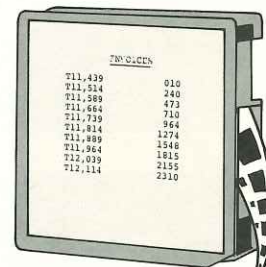
Richard E. Wilson  
Government Representative

REW/mtb

# 3M BRAND 3400BE Cartridge Microfilm Camera



**"3400" Cartridge Camera**  
(with Blip-encoding)



**Blip encoded film**



**"500C" Page Search**

**Page Search  
Reader-Printers**

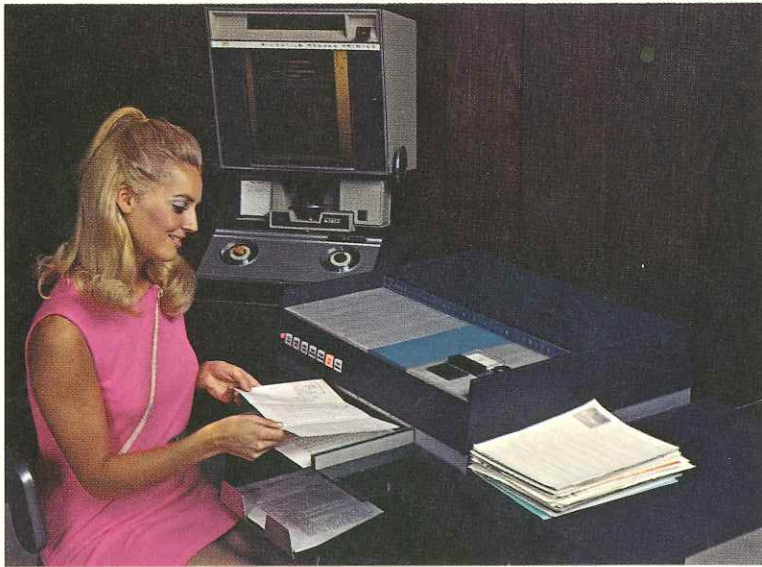


**"400C" Page Search**

Now you can automatically retrieve a specific image from a file of thousands with the help of a "3400" cartridge camera and a 3M Page Search Reader-Printer. Available on the "3400" is a blip-encoding accessory that puts a rectangular blip mark on the edge of the film each time a document is fed through the camera. Blip encoding enables you to find a specific document on a "400" or "500" Page Search Reader-Printer at the push of a button. A blip-encoding "3400" with cartridge microfilm convenience provides you with one of the most advanced 3M Microfilm Systems.



# 3M BRAND 3400BE Cartridge Microfilm Camera



Original paperwork is filmed as fast as it can be fed. Variety of retrieval devices provide easy reference and quick retrieval later on.



One hundred foot roll of 16mm cartridge microfilm is simply snapped into the machine and loaded automatically.



Push button loading and unloading of cartridge microfilm. Cartridge may be removed at any time to free machine for use by other departments.



Notations can be written right on the cartridge while filming is in progress.

- ☐ Photographs up to 2400 original documents on one hundred feet of 16mm cartridge microfilm.
- ☐ Convenient, compact, cartridge microfilm is fed into the camera at the push of a button. Fingers never touch the film.
- ☐ Cartridge may be removed at any time for continued filming at a later date.
- ☐ Each department in your organization can have its own cartridges and film whenever time and paperwork are available.
- ☐ Complete push button operation.
- ☐ Originals hand-fed as fast as one per second return in correct sequence.
- ☐ An odometer indicates film footage so you can index the cartridge while filming for later reference and quick retrieval.
- ☐ Document counter tells you how many pieces of paperwork have been filmed.
- ☐ Accepts paper up to 11-3/4 inches wide

**DIMENSIONS:** Width—26", Height—12", Depth—31" **WEIGHT:** Approximately 90 pounds. **ELECTRICAL REQUIREMENTS:** 115 Volts, 3 Amps, 50/60 Cycle. **LIGHT SOURCE:** Two broad spectral range green fluorescent lamps. **CARTRIDGE CAPACITY:** 2,400 letter-size documents per 16mm roll.

*See all the 3M Microfilm Systems components at your 3M Business Products Center.*

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**3M** BRAND **2000E** Microfilm  
Processor-Camera

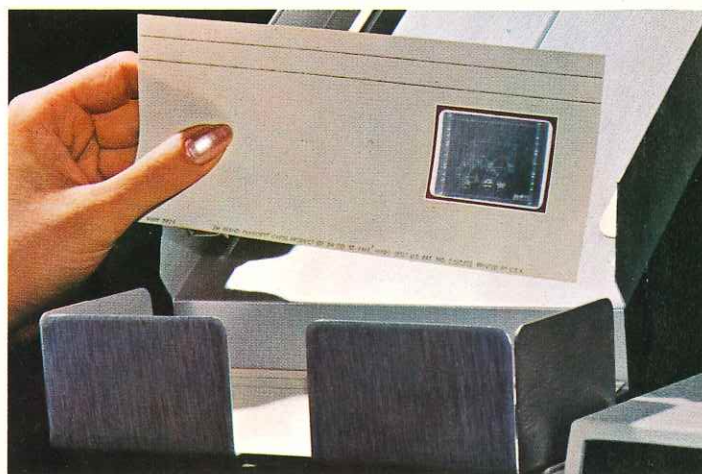




# 3M BRAND 2000E Microfilm Processor-Camera



Reduce A to E size engineering drawings to a standard microfilm camera card at the push of a button. Copy board 36" x 48".



In only 40 seconds drawings are reduced to this 3M microfilm camera card.



Optional backlighting feature on 2000E copyboard allows filming of even low contrast originals.

The 3M 2000E Processor-Camera handles originals up to 36" x 48" in size and creates a complete microfilm camera card in two-thirds of a minute.

- Utilizes three high quality lenses which exceed present Department of Defense resolution specifications. Assures 113.6 lines per millimeter at 16:1, 120 lines per millimeter at 24:1, 135 lines per millimeter at 30:1 reductions.
- Accommodates A-E size drawings on a single copyboard.

**DIMENSIONS:** 78 inches high, 90 inches wide, 44 inches deep. **WEIGHT:** About 550 pounds. **ELECTRICAL REQUIREMENTS:** 100 to 130 volts, 15 amperes, 60 cycles per second. **CARTRIDGE CAPACITY:** 500 cards.

See all the 3M Microfilm Systems components at your 3M Business Products Center.

- Designed to provide even illumination across the copyboard in subdued room lighting conditions.

- Complete push-button operation. A movable copy platform lowers at the push of a button for maximum operator convenience.

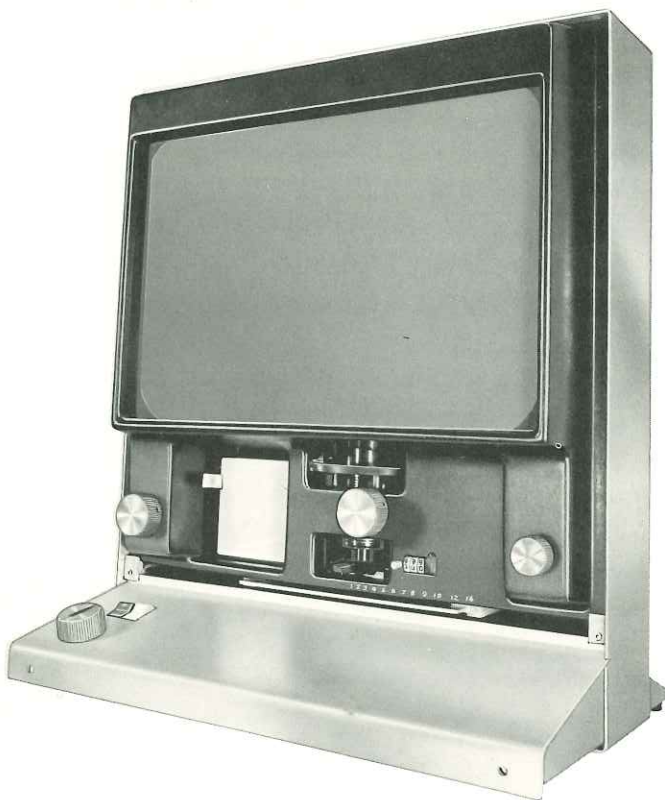
- Self-contained chemicals and automated film processing eliminate the need for external plumbing.

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# COR 701

## COMPUTER OUTPUT READER



■ Low cost computer output microfilm reader. ■ Handles cartridge microfilm, microfiche and aperture cards. ■ Double page fiche image capability. ■ 12" x 17" high resolution viewing screen. ■ 360 degree image rotation and lateral traverse for viewing comic, cine mode, simplex duo and duplex film. ■ Automatic threading and variable speed motorized film drive. ■ Odometer indexing and snap-in fiche indexing guides. ■ Accepts any film thickness. ■ 24X and 40X magnification.

The COR 701 is a high performance cartridge/microfiche retrieval unit designed to handle your COM applications quickly and easily. Cartridges and fiche are easily intermixed. In fact, you can leave both formats in the retrieval unit and view one or the other at will... without attachments. With only two lenses, you achieve 24X and 40X magnification providing a variety of full size and oversize images. View comic strip, cine mode, duo, duplex, 4-up and even double page fiche images.

The compact COR 701 is a general purpose reader offering great versatility. Designed to fit easily into your office, it's only 12

inches deep from screen to rear, taking up no more desk space than a typewriter.

### SPECIAL APPLICATION

If you need a microfilm viewing capability as part of a large data retrieval system, the COR 701 offers you two major cost-saving features. First, filming certain data on cartridge microfilm and other data on fiche can save—film production costs, film copy costs, storage and retrieval costs and information updating costs.

Second, if it's necessary to store and utilize large quantities of information on cartridges without constantly updating and consoli-

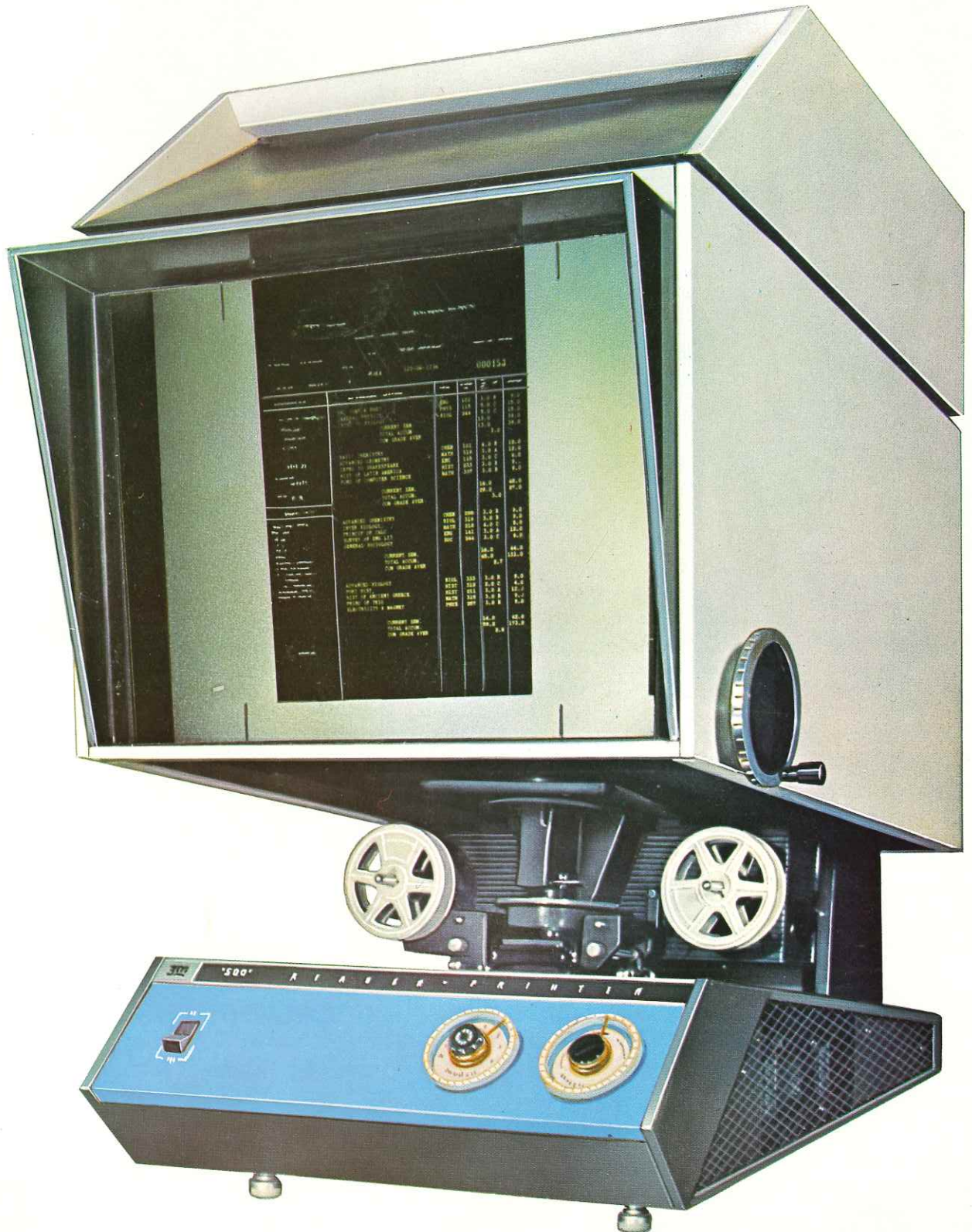
dating and sorting film, the COR 701 is the efficient answer. You can use COM fiche to help you index your cartridges. As new information is added, your flexible fiche index can be quickly modified to tell you where additions to this information are located. As a result, you minimize updating costs, as well as retrieval time.

**Light Source:** 200 watt quartz halogen illumination system.

**Dimensions:** Depth 12 inches (screen to rear); Depth 15½ inches (overall). Height 24½ inches. Width 21 inches. **Weight:** 40 pounds.



# 3M BRAND 500M Microfilm Reader/Printer

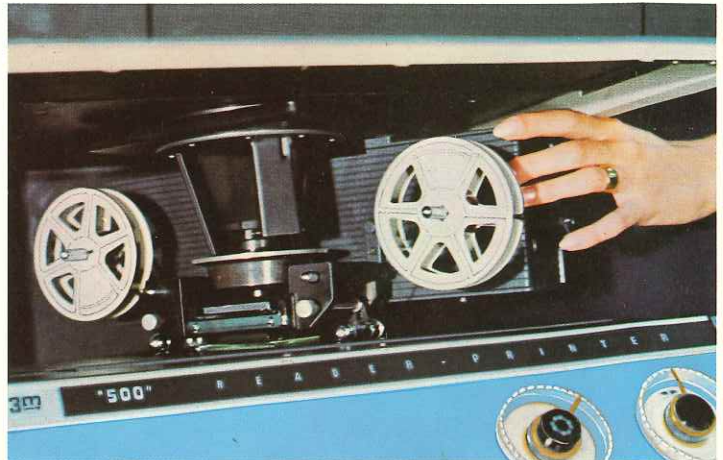




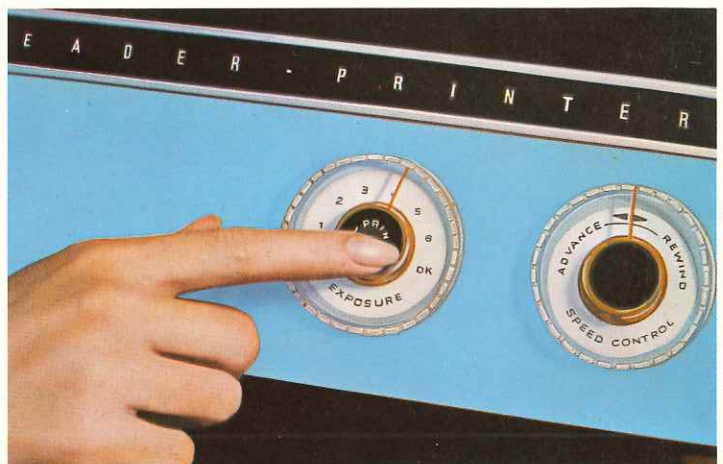
# 3M BRAND 500M Microfilm Reader/Printer



Exclusive 3M Dry-Silver copying process can reduce print costs by 50%. Completely dry 8½" x 11" prints in just ten seconds.



360-degree turret rotation offers flexibility in reading and printing. Allows you to quickly position microfilm copy within image area.



Variable speed control on motorized film drive lets you scan as few as 10 inches per minute . . . or travel through 100 feet of film in 15 seconds.

- Delivers low-cost, completely dry prints at the push of a button.
- Wide latitude of Dry-Silver paper produces excellent copies, even from poor quality film.
- Retrieves information precisely, instantly with motorized film drive and variable speed control.
- Projects bright images on 12" x 16" non-glare screen.
- 450-foot paper supply minimizes reloading.
- Handles 16mm and 35mm film on open spools and also accepts jackets, aperture cards and microfiche.
- 360-degree turret rotation, film traverse and 11 easily interchangeable magnification lenses, from 8.05x to 35x, provide versatility in handling virtually any microfilm format.

**DIMENSIONS:** Base - 18¼" wide x 24¾" deep; 31½" high. **ELECTRICAL REQUIREMENTS:** 10 amperes, 110 volts, 60 cycles. **LIGHT SOURCE:** 200 watt high-illumination lamp. **WEIGHT:** 140 lbs.

See all the 3M Microfilm Systems components at your 3M Business Products Center.

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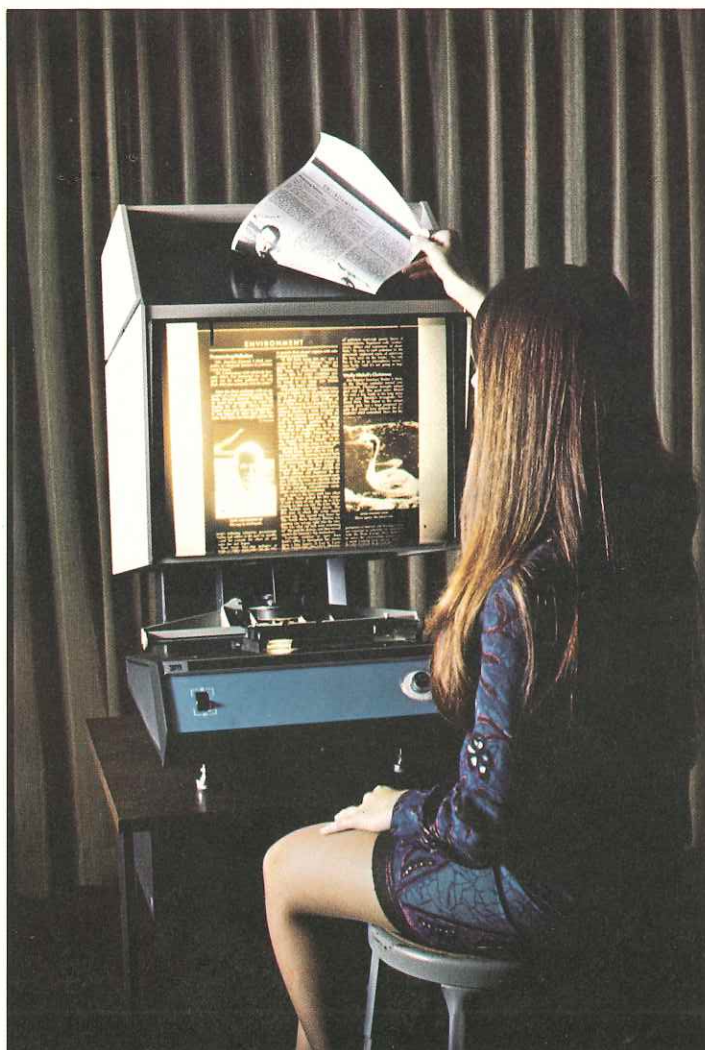


# 3M 500F Microfilm Reader/Printer

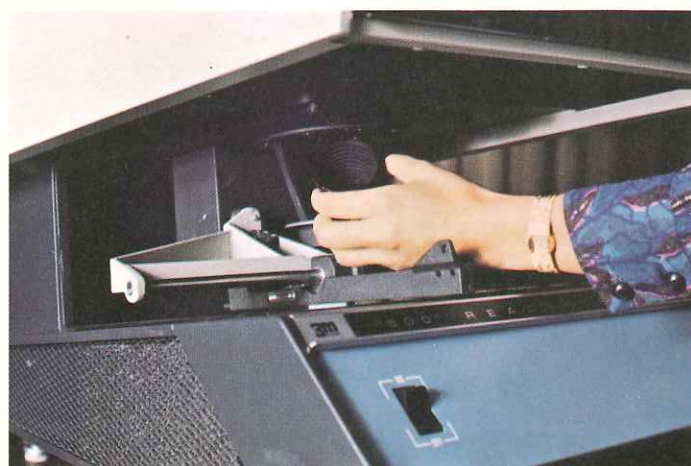




# 3M<sup>®</sup> 500F Microfilm Reader/Printer



Smooth double action film holder with 90° right or left image rotation feature. Automatic opening glass flats and snap-on indexing strips.



Easily interchangeable lenses permit versatility in handling a variety of Microfilm reductions.

Exclusive 3M Dry-Silver copying process can reduce print costs by 50%. Completely dry 8-1/2 x 11 prints in just 10 seconds.

- ☐ Delivers low cost, completely dry prints at the push of a button.
- ☐ Wide latitude of Dry-Silver paper produces excellent copies even from poor quality film.
- ☐ Handles multi-image sheet film—microfiche, Microfilm jacket or aperture card up to 6" by 8".
- ☐ Features compatible snap-on indexing strips for all standard microfiche formats.

- ☐ Automatic opening, double action film carrier provides easy one hand film insertion, removal and smooth image to image referencing.
- ☐ Projects bright images on a large 12" x 16" non-glare screen.
- ☐ Eleven easily interchangeable lenses provide screen magnification from 11x to 45x to handle virtually any Microfilm format.

**DIMENSIONS:** Base—18-1/4" wide x 24-3/4" deep; 31-1/2" high. **ELECTRICAL REQUIREMENTS:** 10 amperes, 110 volts, 60 cycles. **LIGHT SOURCE:** 200 watt high-illumination lamp. **WEIGHT:** 140 lbs.

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# 3M BRAND 500 CR

## COMPUTER OUTPUT READER



■ *High quality cartridge microfilm reader* ■ *Excellent tool for computer output reading.* ■ *Modern "Fast Back" design fits any office decor.* ■ *Motorized film drive.* ■ *Large 14" x 16" viewing screen.* ■ *360° turret rotation.* ■ *Odometer indexing.*

The "500CR" cartridge reader features all new "Fast Back" styling which blends well with any office decor. The automatic threading and motorized film drive permit convenient and rapid handling of cartridge film. An ideal reader for computer output and standard microfilm in a cartridge format.

Variable film speed control allows slow scanning at a readable 10 inches per minute or will advance

film at a rate of 100 feet in just 15 seconds.

The automatic odometer keyed to an external index allows rapid location of data.

The large screen, 14" x 16", allows clear sharp viewing of COM pages. Six easy to change lenses are available to handle any size microfilm reduction to give a screen "blow back" of up to 38X.

360° turret rotation and film

traverse permit right reading of filmed images regardless of the position of those images on the film.

**Dimensions:** Base: 17" wide by 21½" deep; 27½" high. **Electrical Requirements:** 110 volts, AC current, 60 cycles, 4 amperes. **Light Source:** 170 Watt, 20 volt, quartz iodine with reflector. Lamp position adjustable along optical centerline.

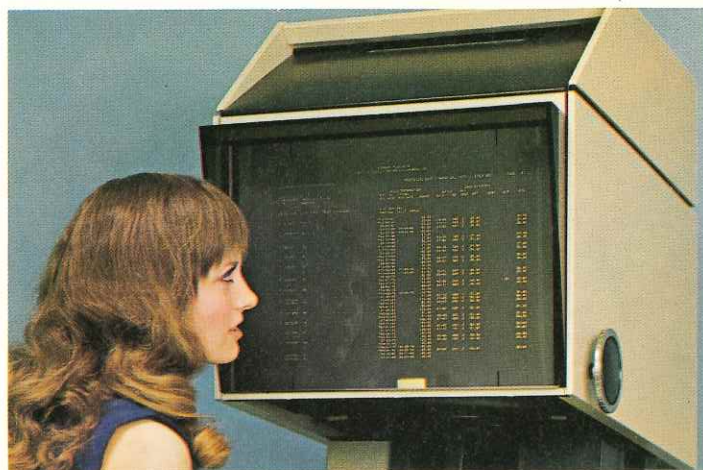
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# 3M BRAND 500C Page Search Reader/Printer



3M's Page Search Reader/Printer searches a file of 10,000 and produces dry prints in seconds.



Large bright images are projected on a 12" x 16" non-glare screen.



Pushbutton simplicity and digital input make the Page Search compact electronic logic package a convenient and versatile retrieval unit.

- ☐ Retrieves specific microfilm images in just seconds with digital keyboard input and pushbutton simplicity.
- ☐ Provides low-cost, completely dry prints on wide latitude dry-silver paper that produces excellent copies from even poor quality film.
- ☐ Film traverse and image rotation capability makes it possible to handle microfilm on image formats.

- ☐ Handles any blip-encoded 16 mm microfilm, positive or negative with automatic centering feature.
- ☐ Wide range of interchangeable lenses provides versatility in handling virtually any microfilm reduction.

**DIMENSIONS:** Base — 18¼" wide x 24¾" deep; 31½" high. **ELECTRICAL REQUIREMENTS:** 10 amperes, 110 volts, 60 cycles. **LIGHT SOURCE:** 200 watt high-illumination lamp. **WEIGHT:** 140 lbs.

*See all the 3M Microfilm Systems components at your 3M Business Products Center.*

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**3m** BRAND **400M** Motorized  
Reader/Printer





# 3M BRAND 400M Motorized Reader/Printer



Bright evenly illuminated images can be comfortably viewed on a large low-glare screen.



360 degree turret rotation lets you quickly position microfilm copy.



Motorized film drive with three controls lets you scan frame by frame or travel through 100 feet in 15 seconds.

- Provides motorized retrieval of information on 16mm and 35mm roll microfilm and manual retrieval from microfilm jackets, aperture cards and microfiche.
- Variable speed film advance permits scanning film at the rate of 10 inches to 400 feet per minute.
- Projects a bright evenly illuminated image on

a 10" x 11½" glare-free screen.

- Delivers sharp, dry 8½" x 11" copy in just 6 seconds at the push of a button.
- 360 degree turret rotation provides quick positioning of microfilm image.
- Permits a choice of 10 magnification ratios—6x, 8x, 10.5x, 12x, 15x, 18x, 21x, 23x, 29x, and 35x easily interchangeable lenses are available.

**DIMENSIONS:** Base: 17" wide by 21½" deep; 26½" high. **ELECTRICAL REQUIREMENTS:** 110 volts, AC current, 60 cycles, 10 amperes. **LIGHT SOURCE:** 200 watt, 20 volt quartz iodine with reflector.

*See all the 3M Microfilm Systems components at your 3M Business Products Center.*

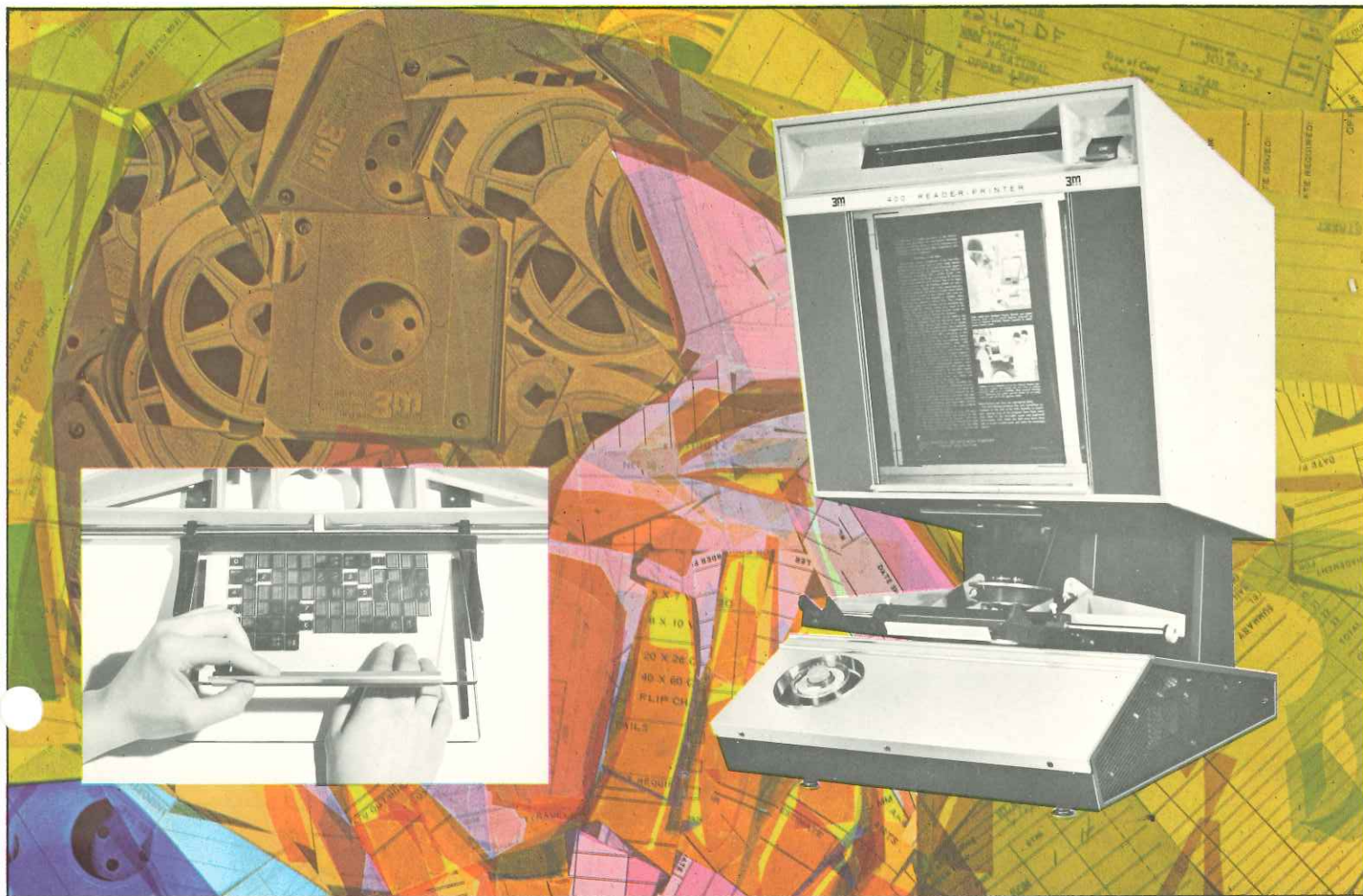
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# 3M 400

BRAND

## EASY INDEX MICROFICHE READER-PRINTER



■ *Handles multi-image sheet film — any microfiche, microfilm jacket or aperture card up to 6" x 8"* ■ *New snap-on index strips for all standard microfiche formats* ■ *Automatic open smooth double action film holder with 90° right or left image rotation* ■ *Provides fast precise retrieval... or a sharp copy in only 6 seconds*

The *new* 3M "400" Microfiche Reader Printer features compatible snap-on indexing strips for all standard microfiche formats. It takes any multi-image sheet film in sizes as large as 6"x8". Right or left 90° constant position image rotation provides maximum viewing flexibility. And, interchangeable easy access optional lenses provide 6X to 45X magnification

assures compatible viewing and printing for all standard sheet film formats. The automatic open, double action film carrier provides easy one hand film insertion, removal, and smooth image to image referencing. This *new* "400" Reader Printer completely eliminates time consuming transcriptions of sheet film records—touch a button and it delivers an exact,

sharp, dry 8½x12½" copy in only 6 seconds.

**Dimensions:** Base: 17" wide by 21½" deep; 26½" high. **Electrical Requirements:** 110 volts, AC current, 60 cycles, 10 amperes. **Light Source:** 200 watt, 20 volt quartz iodine with reflector. Lamp position adjustable along optical centerline.

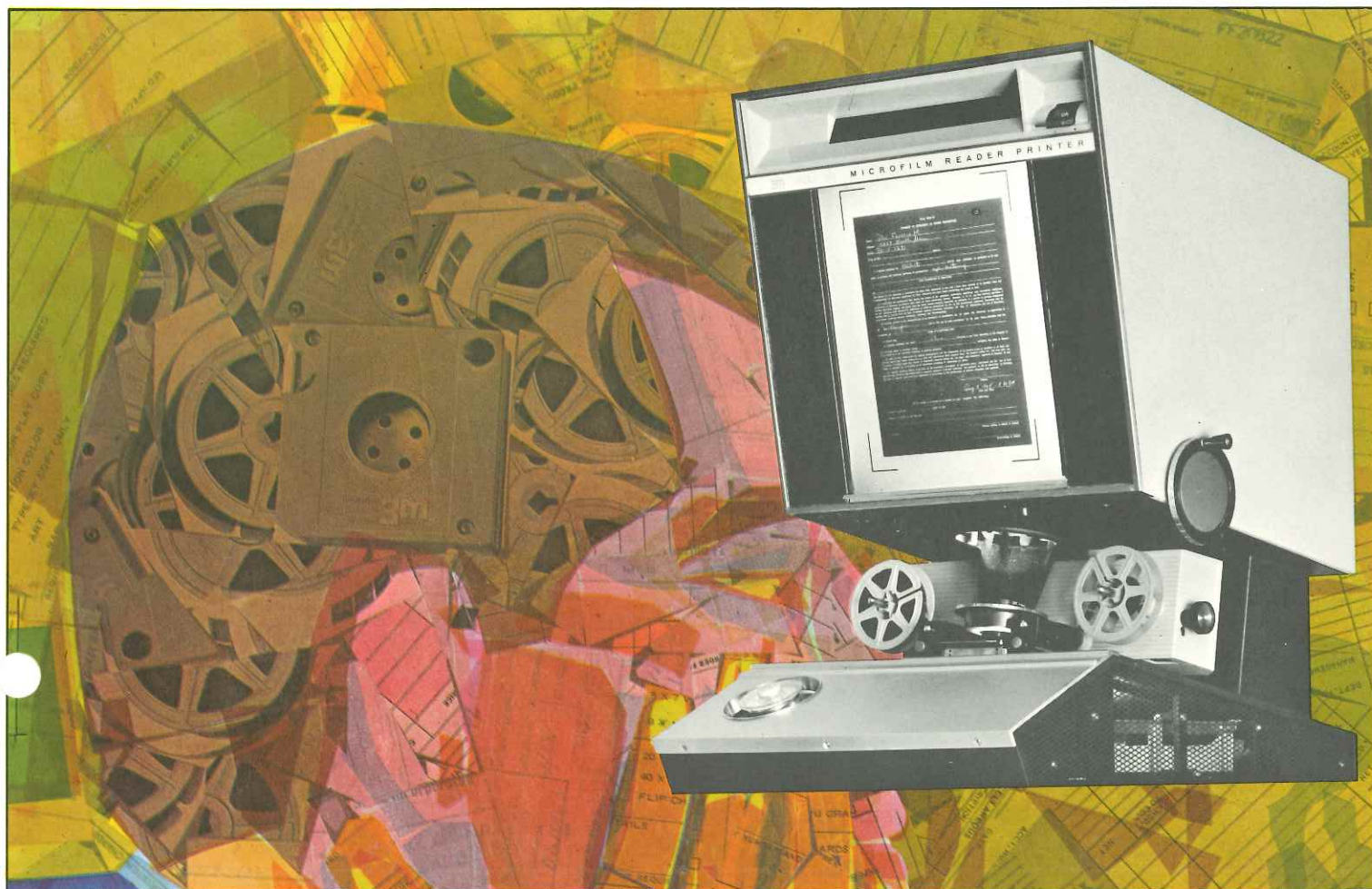
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# 3M 400B

BRAND

## READER-PRINTER



■ 6-second printouts, large-scale viewing assured on 16mm and 35mm rolls, jackets, aperture cards, microfiche ■ Sharp, dry copies every time ■ 360° turret rotation gives you complete reading, printing flexibility ■ Handsome design fits any decor.

Whatever type of microfilm you use—16mm or 35mm rolls, jackets, aperture cards, Microfiche — the 3M "Filmac 400B" delivers sharp, dry copies in only 6 seconds. And it provides instant large-screen reference viewing, as well.

You're also assured more reading and printing convenience. Flexible 360° turret rotation lets

you quickly position microfilm copy within the image area. 10 easy-to-change magnification lenses are available: 6x, 8x, 10.5x, 12x, 15x, 18x, 21x, 23x, 29x, 35x.

The "Filmac 400B" requires only an occasional pint of activator fluid for printing. It automatically "meters" the right amount for each print.

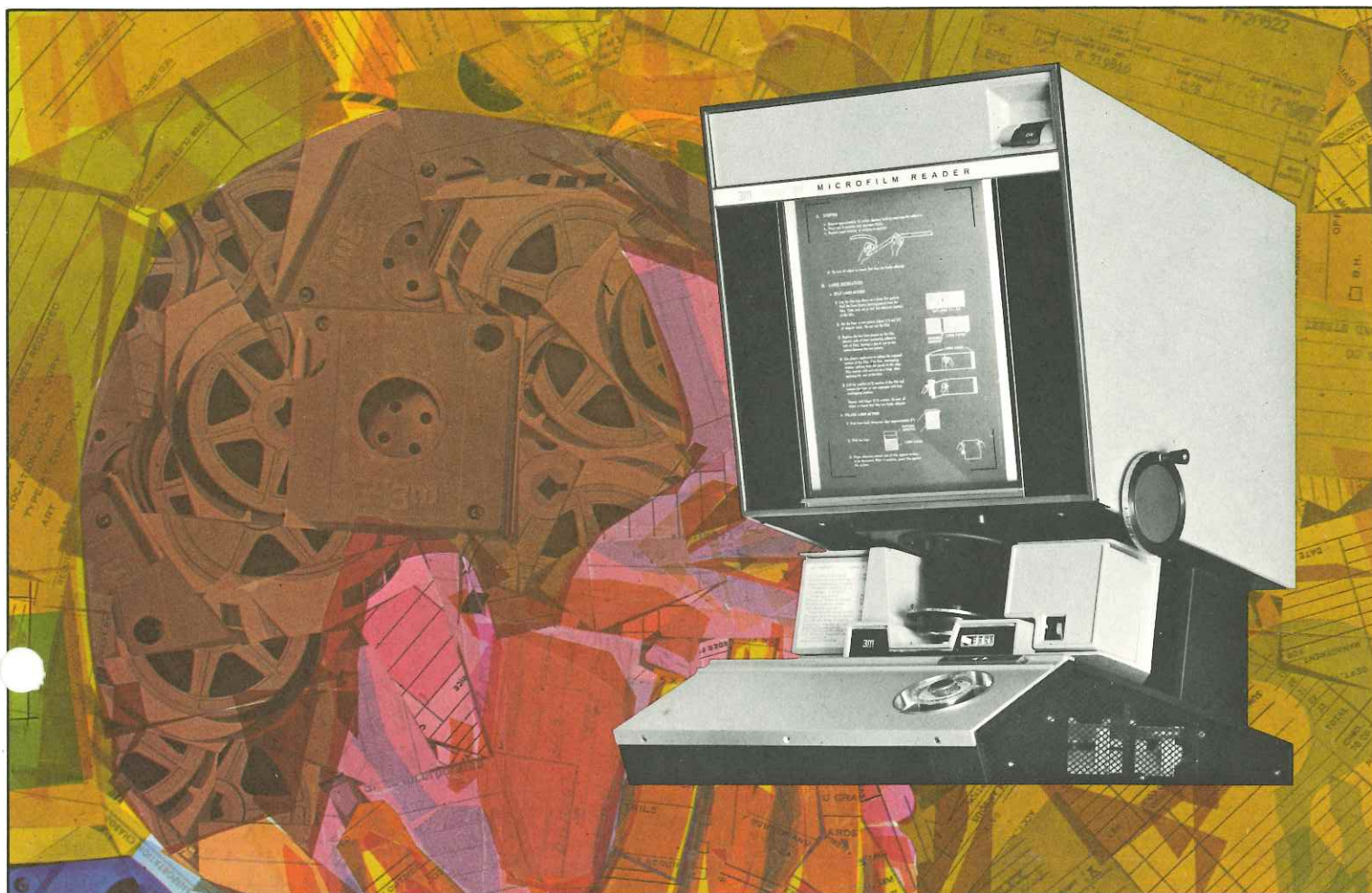
**Dimensions:** Base: 17" wide by 21½" deep; 26½" high. **Electrical Requirements:** 110 volts, AC current, 60 cycles, 10 amperes. **Light Source:** 200 watt, 20 volt, quartz iodine with reflector. Lamp position adjustable along optical centerline. **Note:** New microfiche attachment available; takes multi-image film up to 5" x 8".



# 3M 400C

BRAND

## CARTRIDGE READER



■ *Instant viewing* ■ *Instant retrieval* ■ *Compact cartridges contain 16mm microfilm . . . easy to load, easy to file* ■ *With 3M cartridges, you never touch film—no fingerprints, less wear* ■ *Motorized film drive provides variable scanning speeds . . . easy-eye index method virtually eliminates eye fatigue.*

The new "400C" Cartridge Reader speeds up lookups for you. It's designed to handle low-cost 3M cartridges containing originals on 16mm microfilm. Cartridges are exceptionally easy to load and work with in the "400C"—and these handy "package units" cut filing time and errors, too.

This model Reader features a

motorized film drive with variable pushbutton control of scanning speed from 10 inches to 400 feet per minute.

Using indexed film, desired frames can be found in seconds using convenient meter readings. Get an instant reference view of any frame on a large screen.

**Dimensions:** Base: 17" wide by 21½" deep; 26½" high. **Electrical Requirements:** 110 volts, AC current, 60 cycles, 4 amperes. **Light Source:** 170 watt, 20 volt, quartz iodine with reflector. Lamp position adjustable along optical centerline.



# **AUTHORIZED FEDERAL SUPPLY SCHEDULE CATALOG**

**FSC Group 67, Part IV, Section B  
Photographic Equipment  
Contract No. GS-OOS-12441**

**Effective Dates: July 1, 1972 - June 30, 1973**

**General Services Administration**

**Federal Supply Service**

**GSA Distribution Code OCCC 6720**

**Incorporates Amendments No. 1 & No. 2**

**CONTRACTOR (General Offices):  
3M Business Products Sales Inc.  
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(612) 733-0180**

**DIRECT CORRESPONDENCE TO:  
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1611 North Kent Street (Suite 600)  
Arlington, Virginia 22209  
(703) 528-6600**

**Microfilm Products Division** **3M**  
COMPANY

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# **GENERAL TERMS AND CONDITIONS**

## **PRICES**

Prices shown herein are net (applicable Government discounts deducted).

## **BASIC AND QUANTITY DISCOUNTS**

Where quantity discounts are shown for machines, supplies, and accessories, said discounts apply only to multiples of the same item purchased on a single order for single delivery and installation at one location.

Quantity discounts do not apply to aggregate quantities of assorted items, types, or sizes.

## **MINIMUM QUANTITIES AND ORDERING INCREMENTS**

Where specified, purchases must be made in increment quantities. A minimum quantity cannot be less than the increment stipulated for the applicable item.

## **STATE AND LOCAL TAXES**

Notwithstanding the provisions of Article 27 of the Supplemental Provisions (GSA Form 1424) the contract price excludes all State and local taxes levied on or measured by the contract or sale price of the services or completed supplies furnished under this contract. Taxes excluded from the contract price pursuant to the preceding sentence shall be separately stated on the contractor's invoices and the Government agrees either to pay to the contractor amounts covering such taxes or to provide evidence necessary to sustain an exemption therefrom.

## **MAXIMUM ORDER LIMITATION**

The total dollar value of any order placed under this contract shall not exceed \$50,000; provided, that the dollar value for any single item ordered, whether ordered separately or in combination with other items, shall not exceed the dollar amounts set forth below for the items indicated:

*Items 21-1, 21-1a, 21-14, 21-14a, 21-15, 21-16, 21-16a, 21-17, 21-17a, 21-18, 21-18a, 21-19, 21-40 and 21-41: \$25,000.*

*FSNs 6750-608-1092, 7530-543-7274, 7530-543-7275, 7530-656-1040, 7530-845-8232, and 7530-845-8233: \$5,000.*

## **TIME OF DELIVERY**

*DELIVERY* will be made within the 50 States and the District of Columbia within 15 to 90 days after receipt of order by contractor, depending upon local inventory positions.

## **DELIVERY TERMS**

*PRICES* of supplies, accessories, and equipment are F.O.B. destination within the 50 States and the District of Columbia via surface routing of contractor's selection. If premium routing or inside deliveries are requested, additional charges will be added as separate items to contractor's invoice.

*TERMS: NET 30 DAYS.*

## **INSTALLATION OF EQUIPMENT**

Prices include installation. The contractor or his authorized representative will install equipment and provide basic operating instructions at the time of installation. (See "Delivery Terms" above.)



## WARRANTY ON PURCHASED EQUIPMENT

The following is made in lieu of all other warranties, expressed or implied. The contractor's obligations hereunder shall be only to the original procuring agency. Such obligations shall be performed at the contractor's expense, inclusive of transportation costs, and shall be limited to the following:

- (a) All machines are warranted for a period of one year except the lenses, glasses, mirrors, screens, and consumable items such as lamps and sponges. These excluded items are warranted for 90 days.
- (b) Necessary adjustments of machines, not occasioned by accident or misuse, shall be made during the 90-day period after delivery.
- (c) During the one-year warranty period, all broken or defective parts not caused by accident or misuse will be replaced at contractor's expense, including transportation costs.
- (d) The warranty to repair or replace defective parts shall be void if the customer fails to operate the equipment in accordance with the written operating instructions of the manufacturer or seller.

Neither the manufacturer nor the seller shall be liable for any injury, loss, or damage, direct or consequential, arising out of the use of or inability to use the equipment.

## EXPORT PACKING

Level "A" Export Packing is available for machines, supplies, solutions, and spare parts. Prices for these items are listed on page 49.

## ORDERING

**ORDERS** should be made out to the Contractor, 3M Business Products Sales Inc., and may be placed with the nearest dealer shown on the Authorized Dealer List. ALL ORDERS PLACED WITH AN AUTHORIZED DEALER, other than a 3M Business Products Sales Inc. office, MUST BE MADE OUT TO THE CONTRACTOR, 3M BUSINESS PRODUCTS SALES INC., C/O THE APPROPRIATE AUTHORIZED DEALER.

**EXAMPLE:** 3M Business Products Sales Inc.  
c/o Microfilm Dealer Inc.  
111 Dealer Street  
Nearest City, State 00000

Orders calling for immediate or ultimate delivery overseas (outside the 50 United States) MUST be issued to the contractor and should be addressed c/o MINNESOTA MINING AND MANUFACTURING COMPANY, INTERNATIONAL DIVISION, at the nearest office listed below:

15 Henderson Drive  
West Caldwell, New Jersey 07006

320 Shaw Road  
South San Francisco  
California 94080

P. O. Box 33800  
St. Paul, Minnesota 55133

**INVOICING**—Invoices will be issued by:

3M Business Products Sales Inc.  
General Offices 3M Center  
St. Paul, Minnesota 55101

**REMITTANCES**—Remittances MUST be forwarded directly to:

3M Business Products Sales Inc.  
General Offices  
P. O. Box 33898  
St. Paul, Minnesota 55133

# 3M "2000" SERIES of PROCESSOR-CAMERAS

The "2000" Series of Processor-Cameras reduce documentation to microfilm premounted in data processing size cards. The microfilm is exposed, completely processed and delivered in just 40 seconds.

With anti-halation, high resolution camera card microfilm, processor-camera lenses provide quality that exceeds Department of Defense resolution specifications. 113.6 lines per millimeter at 16:1, 120 lines per millimeter at 24:1 and 135 lines per millimeter at 30:1 reductions are assured.

Operator convenience is provided with pushbutton operation and no spill chemical loading. No external plumbing is necessary. Fluorescent lighting features even illumination across the copyboard.

## 3M "2000E" PROCESSOR-CAMERA

*Special Item 21-1 FSN 6720-251-2403*



The "2000E" Processor-Camera handles originals up to 36" x 48" in size. This advanced processor-camera with three turret mounted lenses provides reduction ratios of 16:1, 24:1, 30:1. A through E size drawings can be accommodated on the same copyboard.

**DIMENSIONS:** 78" high, 90" wide, 44" deep. **Weight:** approximately 550 pounds. **Electrical requirements:** 100-130 volts, 15 amperes, 60 cycles per second. **Cartridge capacity:** 500 cards. **Chemical capacity:** 1 qt. CD-4 Developer, 1 qt. H-1 Fixer, 1 qt. Wash.

<u>Model No.</u>	<u>Suggested List Price</u>	<u>Qty.</u>	<u>Gov't Discount</u>	<u>Gov't Net Price</u>
"2000E" Processor-Camera				
78AAE-105BAE	\$11,650.00	1	6 %	\$10,951.00
		2	9 %	10,601.50



## 3M "2000" PROCESSOR-CAMERAS

*Special Item 21-1 FSN 6720-251-2403*

The "2000" Series II Processor-Cameras handle originals up to 24" x 36" and 30" x 40" in size. A variety of reduction ratios are available on specified models. A movable copy platform raises and lowers at the push of a button.

**DIMENSIONS:** Height, 61"; width, 72"; depth, 34". **Weight:** approximately 450 pounds. **Electrical requirements:** 100-130 volts, 15 amperes, 60 cycles per second. **Cartridge capacity:** 500 cards.



<u>Model No.</u>	<u>Suggested List Price</u>	<u>Qty.</u>	<u>Gov't Discount</u>	<u>Gov't Net Price</u>
<b>"2000" Processor-Camera</b> — 16x reduction, without stand, 18" x 24" copy area.				
<b>78AA</b>	\$ 6,590.00	1	6 %	\$ 6,194.60
		2	9 %	5,996.90
		3	10 %	5,931.00
<b>"2000" Processor-Camera</b> — 16x and 24x reduction, with stand, 24" x 36" copy area.				
<b>78AA-105BA</b>	\$ 8,185.00	1	6 %	\$ 7,693.90
		2	9 %	7,448.35
		3	10 %	7,366.50
<b>"2000B" Processor-Camera</b> — 16x and 26.6x reductions, with stand, 30" x 40" copy area.				
<b>78AA-105BLD</b>	\$ 8,185.00	1	6 %	\$ 7,693.90
		2	9 %	7,448.35
		3	10 %	7,366.50

## FOR INTERNATIONAL USE

### *Special Item 21-1*

The series of "2000" Processor-Cameras is also available for international use. All specifications and product features are the same except for **Electrical requirements**: 90-250 volts, 15 amperes, 50 cycle AC, 3 prong plug.

<u>Model No.</u>	<u>Suggested List Price</u>	<u>Qty.</u>	<u>Gov't Discount</u>	<u>Gov't Net Price</u>
<b>"2000E" Processor-Camera</b>				
<b>78ABE-105BBE</b>	\$11,870.00	1	6 %	\$11,157.80
		2	9 %	10,801.70
<b>"2000" Processor-Camera—16x reduction, without stand, 18" x 24" copy area.</b>				
<b>78AB</b>	6,650.00	1	6 %	\$ 6,251.00
		2	9 %	6,051.50
		3	10 %	5,985.00
<b>"2000" Processor-Camera—16x and 24x reductions with stand, 24" x 36" copy area.</b>				
<b>78AB-105BB</b>	\$ 8,305.00	1	6 %	\$ 7,806.70
		2	9 %	7,557.55
		3	10 %	7,474.50
<b>"2000B" Processor-Camera — 16x and 26.6x reductions, with stand, 30" x 40" copy area.</b>				
<b>78AB-105BLE</b>	\$ 8,305.00	1	6 %	\$ 7,806.70
		2	9 %	7,557.55
		3	10 %	7,474.50



# ACCESSORIES/SUPPLIES for PROCESSOR-CAMERA

*Special Item 21-1a*

## CARD MAGAZINE

*Special Item 21-1a*

Additional card magazines are useful for multiple systems of Processor-Camera. Fit all Model "2000" Processor-Cameras.

<u>Model No.</u>	<u>Suggested List Price</u>	<u>Qty.</u>	<u>Gov't Discount</u>	<u>Gov't Net Price</u>
"2000" Card Magazine	\$75.00 ea.	1	5 %	\$71.25 ea.

## BACKLIGHTING KIT FOR "2000E"

*Special Item 21-1a*

Now poor quality originals can be filmed with the added contrast of backlighting. Even sepias come out sharp and clear. Backlighting is definitely here to stay. (Price does not include installation.)

<u>Model No.</u>	<u>Suggested List Price</u>	<u>Qty.</u>	<u>Gov't Discount</u>	<u>Gov't Net Price</u>
Backlighting Kit for "2000E"	\$1,343.00	1	5 %	\$1,275.85

## REDUCTION RATIO MODIFICATION KITS

*Special Item No. 21-1a*

<u>Description</u>	<u>Suggested List Price *</u>	<u>Gov't Disc.</u>	<u>Gov't Net Price</u>
<b>14.5X-15X Adjustable Kit</b> for "2000" Processor-Camera upper copy board (Model 78), with 17.4" x 23.4" to 18" x 24.2" copy area respectively . . . . .	\$125.00 ea.	5 %	\$118.75 ea.
<b>29X Kit</b> for "2000" Processor- Camera lower copy board (Models 78 & 105), up to 30" x 40" copy area . . . . .	\$800.00 ea.	5 %	\$760.00 ea.
<b>30X Kit</b> for "2000" Processor- Camera lower copy board (Models 78 & 105), up to 30" x 40" copy area . . . . .	\$800.00 ea.	5 %	\$760.00 ea.

\*Prices do not include installation.

## DEVELOPERS AND FIXERS

*Special Item 21-1a*

**Type CD-3 Developer** to be used with 3M Brand "1000" Processor-Cameras only (order in increments of 12 quarts per case).

**Type CD-4 Developer** to be used with 3M Brand AHR Camera Cards in 3M Brand "2000" Processor-Cameras only (order in increments of 12 quarts per case).

**Fixing Solution** to be used with all 3M Brand Camera Cards and either CD-3 or CD-4 (order in increments of 12 quarts per case).

Model No.	Suggested List Price	Qty.	Gov't Discount	Gov't Net Price
CD-3	\$1.85 per qt.	1	5 %	\$1.76 per qt.
CD-4	1.85 per qt.	1	5 %	1.76 per qt.
Fixer	1.85 per qt.	1	5 %	1.76 per qt.

## 3M BRAND CAMERA CARDS

*Special Item No. 21-1a*

3M CAMERA CARDS are packed in cartridges of 500 cards each. In use, the cartridge is loaded in a magazine and the magazine with the cartridge is inserted into the processor-camera. These cards contain Anti-halation High Resolution (AHR) silver film.

**Price per Cartridge (500 Cards):**

Quantity (Cartridges)	Suggested List Price	Gov't Discount	Gov't Net Price
4-96 . . . . .	\$42.90	6 %	\$40.33
100-296 . . . . .	39.99	6 %	37.59
300-Up . . . . .	38.94	6 %	36.60

### NOTE:

- (1) **Minimum Order Quantity:** 4 Cartridges (2000 Cards). Order in increments of 4 Cartridges.
- (2) A cartridge weighs 3.5 pounds. Cards should be stored in a cool, dry place and are dated to be used within six months.
- (3) Corner Cuts—No Charge  
Rounded Corners—No Charge  
All Cards are Edgecoated

### ADDITIONAL FEATURES

PRINTING ON REVERSE IN BLACK INK . . . . 35¢ per thousand cards

OVERPRINTING IN BLACK INK

First overprint . . . . . No Charge

Each additional overprint . . . . . \$5.00 per thousand cards

COLORED INK (Brown, Red, Blue, Green, Violet)

Printing one side, per color . . . . . 5¢ per thousand cards

Printing both sides, same color . . . . . 45¢ per thousand cards

Printing reverse side . . . . . 40¢ per thousand cards  
first color

5¢ each additional color

OVERPRINTING IN COLORED INK (Brown, Red, Blue, Green, Violet)

One side, per color . . . . . \$ 5.00 per thousand cards

Both sides, same color . . . . . \$10.00 per thousand cards

Reverse side, per color . . . . . \$ 5.00 per thousand cards



HORIZONTAL STRIPING: Per side, per stripe . . . 1¢ per thousand cards

¼" wide stripe extending horizontally across the entire length of the cards.

(Available colors: Red, Blue, Green, Violet, Yellow, Salmon, Rose)

CREATION OF NEW ELECTROPLATE . . . . . \$50.00

### SPECIAL CARD STOCK

WHITE STOCK . . . . . 10¢ additional per thousand cards

COLORED STOCK . . . . . 5¢ additional per thousand cards

(Available colors: Red, Blue, Green, Yellow, Brown, Salmon)

# 3M "3400" CARTRIDGE MICROFILM CAMERA

*Special Item Nos. 21-1 & 21-1a*

The "3400" Cartridge Microfilm Camera photographs 2400 original letter-size documents as fast as you can feed them. It's a rotary microfilm camera using cartridge ease and convenience. Fingers never touch the 100 feet of 16-mm microfilm. Just slip in the cartridge, photograph and remove the cartridge for filming at a later time. Many departments can have their own cartridge and film on the "3400" whenever time and paperwork are available.

Push button operation and an odometer showing film footage enables you to index the cartridge while filming for quick reference and retrieval later on. Edge coding or blip encoding capability is also available on special models of the "3400" Cartridge Camera. It permits fully automated retrieval on page searching reader-printers. With the "400" Page Search, the "3400" forms a complete microfilm system.

**DIMENSIONS:** Width — 26"; Height — 12"; Depth — 31". **Weight:** approximately 90 pounds. **Electrical requirements:** 115 volts, 3 amperes, 50/60 cycle. **Light Source:** Two broad spectral range green fluorescent lamps. **Cartridge Capacity:** 2400 letter size documents per 100 foot 16mm roll.



Model No.	Suggested List Price	Qty.	Gov't Discount	Gov't Net Price
<b>“3400” Cartridge Camera</b>				
<b>119BA</b>	\$2,725.00	1	6 %	\$2,561.50
		2-4	9 %	2,479.75
		5	10 %	2,452.50
<b>“3400-BE” Cartridge Camera—With Blip Encoding</b>				
<b>119BAA</b>	\$3,125.00	1	6 %	\$2,937.50
		2-4	9 %	2,843.75
		5	10 %	2,812.50
<b>“3400” Camera Stand — with work area</b>				
	\$ 225.00	1	6 %	\$ 211.50
		2-4	9 %	204.75
		5	10 %	202.50
<b>2” Ball Casters — Set of 4</b>				
<i>Special Item 21-1a</i>				
	\$ 9.50	1 Set	5 %	\$ 9.03 Set

**Cartridge Film for "3400" Cartridge Camera**—Prices do not include processing. Order in increments of 10 cartridges.

*Special Item No. 21-1a*

\$6.55 ea.	10-40	5 %	\$6.22
	50-490	7 %	6.09
	500-Up	10 %	5.90

## FOR INTERNATIONAL USE

*Special Item 21-1*

The "3400" Cartridge Microfilm Camera is also available for international use. All specifications and product features are the same except for **Electrical requirements**: 90-250 volts, 5 amperes, 50/60 cycles AC.

<u>Model No.</u>	<u>Suggested List Price</u>	<u>Qty.</u>	<u>Gov't Discount</u>	<u>Gov't Net Price</u>
<b>“3400” Cartridge Camera</b>				
<b>119AB</b>	\$2,790.00	1	6 %	\$2,622.60
		2	9 %	2,538.90
		3	10 %	2,511.00
<b>“3400 BE” Cartridge Camera—With Blip Encoding</b>				
<b>119BH</b>	\$3,190.00	1	6 %	\$2,998.60
		2	9 %	2,902.90
		3	10 %	2,871.00



# 3M READERS

## 3M "400 PAGE SEARCH" READER

*Special Item 21-17*

The 3M Brand "400" Page Search unit combines the reliability of the 3M Brand "400" series units with an all-new, compact electronic logic package to provide a versatile and convenient 16mm cartridge film retrieval unit.

It will find a specific image in record time. Page Search will move from one specific image to another in a file—in either direction—quickly and precisely.

Page Search will pack up the entire film in its cartridge—automatically—when the search is complete.

Page Search will do this with any kind of blip-encoded 16mm microfilm, positive or negative. Page Search will handle dry or wet process silver film, diazo film or Kalvar film with comparable ease and precision. A turret which rotates and provides lateral film traverse makes it possible to handle all formats—comic and cine mode, simplex, duo and duplex film.

**DIMENSIONS:** Base: 17" wide by 21½" deep; 26½" high. **Electrical requirements:** 110 volts, AC current, 60 cycles, 4 amperes. **Light source:** 170 watt, 20 volt quartz iodine with reflector. Lamp position adjustable along optical centerline.



<u>Model No.</u>	<u>Suggested List Price</u>	<u>Qty.</u>	<u>Gov't Discount</u>	<u>Gov't Net Price</u>
<b>3M "400 Page Search" Reader—Without lens. See page 24.</b>				
<b>75AAR</b>	\$4,390.00 ea.	1	6 %	\$4,126.60 ea.
		2	9 %	3,994.90 ea.
		3	10 %	3,951.00 ea.

## 3M "500CR" CARTRIDGE READER

*Special Item 21-17*



The "500CR" Cartridge Reader is ideal for viewing computer output on microfilm.

It has automatic threading and motorized film drive that permits convenient and rapid handling of cartridge microfilm.

Variable film speeds of ten inch to 400 feet per minute. Facilitates the look-up of information. An odometer keyed to an external index allows rapid location of data.

A large 14" x 16" screen permits clear viewing. Easy to change lenses permits clear versatility for any size microfilm reduction.

360° turret rotation and film traverse permits right reading of filmed images.

Fastback styling fits any office decor.

**DIMENSIONS:** Base: 17" wide by 21½" deep; 27½" high. **Electrical Requirements:** 110 volts, AC current, 60 cycles, 4 amperes. **Light Source:** 170 Watt, 20 volt, quartz iodine with reflector. Lamp position adjustable along optical centerline.

<u>Model No.</u>	<u>Suggested List Price</u>	<u>Qty.</u>	<u>Gov't Discount</u>	<u>Gov't Net Price</u>
<b>"500CR" Cartridge Reader — Without lens. See page 24.</b>				
<b>275AAD</b>	<b>\$1,263.00</b>	1	6 %	<b>\$1,187.22</b>
		2	9 %	<b>1,149.33</b>
		3	10 %	<b>1,136.70</b>



## 3M "COR 701" CARTRIDGE/ MICROFICHE READER

*Special Item No. 21-17*

The 3M "COR 701" Cartridge/Microfiche Reader is an excellent reader for COM applications. It will accept 16mm film in cartridges and microfiche up to 6" x 8". If on positive film, both formats may be in the machine and selectively viewed. Odometer indexing capability. Price includes either Blue or Clear Viewing Screen. Specify color.



<u>Model No.</u>	<u>Suggested List Price</u>	<u>Qty.</u>	<u>Gov't Discount</u>	<u>Gov't Net Price</u>
<b>"COR 701" Cartridge/Microfiche Reader—Price includes 24X Lens.</b>				
<b>COR 701</b>	\$895.00	1-24	6 %	\$841.30
		25-Up	9 %	814.45

## FOR INTERNATIONAL USE

The following Readers are also available for international use. Specifications are the same except for electrical requirements: 90-250 volts, 4 amperes, 50/60 cycles AC.

<u>Model No.</u>	<u>Suggested List Price</u>	<u>Qty.</u>	<u>Gov't Discount</u>	<u>Gov't Net Price</u>
<i>Special Item 21-17</i>				
<b>"400 Page Search" Reader—Without lens. See page 24.</b>				
<b>75ABR</b>	\$4,440.00	1	6 %	\$4,173.60
		2	9 %	4,040.40
		3	10 %	3,996.00
<i>Special Item 21-17</i>				
<b>"500CR" Cartridge Reader—Without lens. See page 24.</b>				
<b>275ABD</b>	\$1,313.00	1	6 %	\$1,234.22
		2	9 %	1,194.83
		3	10 %	1,181.70

# 3M READER - PRINTERS

## 3M "200" SERIES OF READER-PRINTERS

The "200" Series of Reader-Printers makes up to 18" x 24" prints in seconds from microfilm aperture cards and roll film. The advantages of a reader and a printer are combined in this unit. Film is easily read on a big 18" x 24" screen and prints 18" x 24" or 12" x 18" are available at the push of a button.

**DIMENSIONS:** 32" high; 31" wide, 36" deep. **Weight:** 315 pounds. **Electrical requirements:** 110 volts, 6 amperes, AC current, 60 cycles.

## "200" READER-PRINTER

*Special Item 21-14*



The "200" Reader-Printer enlarges microfilm aperture cards and film jackets for easy viewing and printing.

<u>Model No.</u>	<u>Suggested List Price</u>	<u>Qty.</u>	<u>Gov't Discount</u>	<u>Gov't Net Price</u>
<b>"200" Reader-Printer — with 14.5x lens.</b>				
<b>29CA</b>	<b>\$1,845.00</b>	1	6%	\$1,734.30
		2	9%	1,678.95
		3	10%	1,660.50



## "200R" READER-PRINTER

*Special Item 21-14*

FSN 6730-410-9840

The "200R" Reader-Printer provides all the advantages of the 200 plus the added capability of retrieving information filed on 16mm and 35mm roll microfilm.



<u>Model No.</u>	<u>Suggested List Price</u>	<u>Qty.</u>	<u>Gov't Discount</u>	<u>Gov't Net Price</u>
<b>"200R" Reader-Printer — with 14.5x lens.</b>				
<b>29CR</b>	\$2,135.00	1	6 %	\$2,006.90
		2	9 %	1,942.85
		3	10 %	1,921.50

## FOR INTERNATIONAL USE

All "200" Series Reader-Printers are available for international use. Specifications and features are the same except for **electrical requirements**: 90-250 volts, 6 amperes, 50/60 cycles AC.

<u>Model No.</u>	<u>Suggested List Price</u>	<u>Qty.</u>	<u>Gov't Discount</u>	<u>Gov't Net Price</u>
<b>"200" Reader-Printer — with 14.5x lens.</b>				
<b>29CB</b>	\$1,870.00	1	6 %	\$1,757.80
		2	9 %	1,701.70
		3	10 %	1,683.00
<b>"200R" Reader-Printer — with 14.5x lens.</b>				
<b>29CRB</b>	\$2,150.00	1	6 %	\$2,021.00
		2	9 %	1,956.50
		3	10 %	1,935.00

## 3M "400" SERIES OF READER-PRINTERS

The "400" Series of microfilm Reader-Printers handle the full range of micro-formats. Large screen viewing is provided for 16mm and 35mm rolls, microfilm jackets and fiche as well as aperture cards and cartridges. Sharp, dry, 6-second copies are provided at the push of a button.

Motorized film drive is available, and with lateral film traverse, 360° turret rotation, a variety of interchangeable lenses and odometer for roll film formats, the "400" Reader-Printers offer a great deal of flexibility.

**DIMENSIONS:** Base: 17" wide by 21½" deep; 26½" high. **Electrical requirements:** 110 volts, 10 amperes, 60 cycles AC. **Light Source:** 200 watt, 20 volt, quartz iodine with reflector. Lamp position adjustable along optical centerline.

## 3M "400C" READER-PRINTER

*Special Item 21-18* FSN 6730-400-5867



The "400C" Cartridge Reader-Printer provides motorized retrieval and fast reproduction in one machine. The "400C" enables the viewer to scan, read, and print from compact, easy to load cartridges containing 100 feet of 16mm film — the film is never touched.

Motorized film drive provides scanning speeds from ten inches to 400 feet per minute. Lateral film traverse and 360° turret rotation assures convenient viewing of duo-duplex imaged microfilm. A whole range of magnification lenses are available to handle a whole realm of reduction ratios. A handy odometer makes any document easily found.

Obtaining a print is pushbutton easy and takes only six seconds on the "400C". Blends well with any office decor.

<u>Model No.</u>	<u>Suggested List Price</u>	<u>Qty.</u>	<u>Gov't Discount</u>	<u>Gov't Net Price</u>
<b>"400C" Traversing Cartridge Reader-Printer — Without lens. See page 24.</b>				
<b>75AFY-T</b>	<b>\$1,465.00</b>	1	6 %	\$1,377.10
		2	9 %	1,333.15
		3	10 %	1,318.50



## 3M "400M" READER-PRINTER

Special Item 21-14 FSN 6730-251-8663

The "400M" Reader-Printer provides motorized retrieval of 16mm and 35mm microfilm records. It also accepts jackets, aperture cards and microfiche. The variable film drive and handy odometer allow you to retrieve data at speeds of 10 inches to 400 feet per minute.

Great versatility is afforded with a choice of ten interchangeable lenses and six second print capability 360° turret rotation offers additional flexibility in positioning, reading and then printing images from microfilm.



Model No.	Suggested List Price	Qty.	Gov't Discount	Gov't Net Price
<b>"400M" Motorized Reader-Printer — Without lens. See page 24.</b>				
<b>75AFB</b>	\$1,250.00	1	6 %	\$1,175.00
		2	9 %	1,137.50
		3	10 %	1,125.00

## 3M "400B" READER-PRINTER

Special Item 21-14 FSN 6730-072-0302

The "400B" Reader-Printer provides manual retrieval of 16mm and 35mm microfilm rolls, aperture cards, jackets and fiche.

Sharp, dry copies are delivered in only six seconds at the push of a button. Reading as well as printing convenience is assured with flexible 360° turret rotation. A handy odometer helps locate any document stored on a roll of film.

Easy to change magnification lenses are available to make a variety of microfilm reduction ratios accessible to the user. A large screen provides excellent reference viewing.



Model No.	Suggested List Price	Qty.	Gov't Discount	Gov't Net Price
<b>"400B" Reader-Printer — Without lens. See page 24.</b>				
<b>75AA</b>	\$1,035.00	1	6 %	\$ 972.90
		2	9 %	941.85
		3	10 %	931.50

## 3M "400F" READER-PRINTER

*Special Item 21-14*



The "400F" Reader-Printer provides reference viewing and six-second prints for microfiche or microfilm jackets up to 5" x 8".

Easy positioning is managed with a double-action film holder. Movement from image to image is precise and smooth without ever touching the film.

The "400F" eliminates time-consuming transcriptions of microfiche records. A touch of a button delivers exact, error-free copies.

<u>Model No.</u>	<u>Suggested List Price</u>	<u>Qty.</u>	<u>Gov't Discount</u>	<u>Gov't Net Price</u>
<b>"400F" Microfiche Reader-Printer</b> — Without lens. See page 24. Also without Microfiche holder. See page 29 for price and size.				
<b>75AAM</b>	\$1,020.00	1	6 %	\$958.80
		2	9 %	928.20
		3	10 %	918.00

## 3M "400FF" READER-PRINTER

*Special Item No. 21-14*



The "400FF" Microfiche Reader-Printer features an easy-open film holder with convenient handle and locator arm. The locator arm and a microfiche index card permit precise and fast positioning of the image.

The "400FF" provides instant reference viewing and six-second prints from microfiche or jackets as large as 4" x 8". The unit also has a half-sheet / full-sheet accessory capability.

**Electrical Requirements:** 90-250 volts, 10 amperes, 50/60 cycle AC.

<u>Model No.</u>	<u>Suggested List Price</u>	<u>Qty.</u>	<u>Gov't Discount</u>	<u>Gov't Net Price</u>
<b>"400FF" Microfiche Reader-Printer</b> —Without lens. See page 24.				
<b>75ACM</b>	\$1,375.00	1	6 %	\$1,292.50
		2	9 %	\$1,251.25
		3	10 %	\$1,237.50



## 3M "400 PAGE SEARCH" READER-PRINTER

*Special Item 21-18*

Has all the advantages and print-out features of the "400C" Reader-Printer with the added ability of retrieving specific film images by means of a digital keyboard. The "400" Page Search Reader-Printer will move from one specific image to another — in either direction — quickly and precisely. Film is rewound into its cartridge automatically at the end of the search.

Page Search accepts and provides print-out of any kind of blip-encoded 16mm microfilm, positive or negative. A rotating turret assembly provides lateral film traverse making it possible to handle all formats — comic and cine mode, simplex, duo and duplex film.



<u>Model No.</u>	<u>Suggested List Price</u>	<u>Qty.</u>	<u>Gov't Discount</u>	<u>Gov't Net Price</u>
<b>3M "400 Page Search" Reader-Printer—Without lens. See page 24.</b>				
<b>75AAP</b>	\$4,890.00	1	6 %	\$4,596.60
		2	9 %	4,449.90
		3	10 %	4,401.00

## FOR INTERNATIONAL USE

The "400" Series of Reader-Printers is also available for international use. All specifications and dimensions are the same except for 90-250 volt, 10 amperes, 50/60 cycle AC electrical requirements.

<u>Model No.</u>	<u>Suggested List Price</u>	<u>Qty.</u>	<u>Gov't Discount</u>	<u>Gov't Net Price</u>
<i>Special Item 21-18</i>				
<b>"400C" Traversing Cartridge Reader-Printer</b> —Without lens. See page 24.				
<b>75AKC-T</b>	\$1,515.00	1	6 %	\$1,424.10
		2	9 %	1,378.65
		3	10 %	1,363.50
<i>Special Item 21-14</i>				
<b>"400B" Printer-Reader</b> —Without lens. See page 24.				
<b>75AB</b>	\$1,060.00	1	6 %	\$ 996.40
		2	9 %	964.60
		3	10 %	954.00
<i>Special Item 21-14</i>				
<b>"400M" Motorized Reader-Printer</b> —Without lens. See page 24.				
<b>75AKB</b>	\$1,290.00	1	6 %	\$1,212.60
		2	9 %	1,173.90
		3	10 %	1,161.00
<i>Special Item 21-14</i>				
<b>"400F" Microfiche Reader-Printer</b> —Without lens. See page 24. Also without microfiche holder. See page 29 for price and size.				
<b>75ABM</b>	\$1,045.00	1	6 %	\$ 982.30
		2	9 %	950.95
		3	10 %	940.50
<i>Special Item 21-18</i>				
<b>"400 Page Search" Reader-Printer</b> —Without lens. See page 24.				
<b>75ABP</b>	\$4,940.00	1	6 %	\$4,643.60
		2	9 %	4,495.40
		3	10 %	4,446.00



## 3M "500" SERIES OF READER-PRINTERS

*Special Item 21-14, 21-18*

The "500" Series of Reader-Printers produces a dry-copy print that cuts print cost by almost 50 percent. "500M" Reader-Printers for 16mm and 35mm roll film, and the "500C" for 16mm cartridge film feature 3M Dry-Silver technology combined with the design reliability of the successful 3M "400" Series of Reader-Printers.

The completely dry print capability not only reduces print cost, but also simplifies office maintenance since it does not require chemicals or other liquids. A bright 12" x 16" screen complete with light shield affords the user optimum viewing conditions. A 500 foot paper supply minimizes reloading.

**DIMENSIONS:** Base: 18¼" wide and 24¾" deep; 31½" high. **Electrical requirements:** 10 amperes, 110 volts, 60 cycles. **Light source:** 200 watt high illumination lamp. **Weight:** 140 lbs.

## 3M "500C" READER-PRINTER

*Special Item 21-18*

The "500C" Reader-Printer delivers low-cost, completely dry prints from cartridge microfilm at the push of a button. Wide latitude of Dry-Silver paper produces excellent copies for even poor quality film.

Information is retrieved quickly and precisely with motorized film drive and variable speed control. 360-degree turret rotation and film traverse permits upright reading of all microfilm image formats.

A variety of easy-to-change lenses are available to handle different microfilm reductions.



<u>Model No.</u>	<u>Suggested List Price</u>	<u>Qty.</u>	<u>Gov't Discount</u>	<u>Gov't Net Price</u>
<b>"500C" Cartridge Reader-Printer</b> — Without lens. See page 24.				
<b>275AAC</b>	\$2,880.00	1	6 %	\$2,707.20
		2	9 %	2,620.80
		3	10 %	2,592.00



## 3M "500F" READER-PRINTER

*Special Item No. 21-14*

The "500F" delivers low cost, completely dry prints at the push of a button. The wide latitude of Dry-Silver paper produces excellent copies, even from poor quality film. It handles multi-image sheet film—microfiche, microfilm jacket or aperture card up to 6" x 8". The unit also features compatible snap-on indexing strips for all standard microfiche formats. Automatic opening, double action film carrier provides easy one hand film insertion, removal and smooth image to image referencing.

<u>Model</u>	<u>Suggested List Price</u>	<u>Qty.</u>	<u>Gov't Discount</u>	<u>Gov't Net Price</u>
<b>"500F" Microfiche Reader-Printer</b> —Without lens. See page 24. Also without microfiche holder. See page 29 for price and size.				
<b>275AAM</b>	\$2,205.00	1	6 %	\$2,072.70
		2	9 %	\$2,006.55
		3	10 %	\$1,984.50



## 3M "500M" MOTORIZED READER-PRINTER

*Special Item 21-14*

The "500M" is a motorized reader-printer that handles 16mm and 35mm film on open spools as well as aperture cards, microfilm jackets and microfiche. Excellent copies are produced on wide latitude dry-silver paper.

Motorized film drive allows you to scan images at variable speeds of 10 inches to 400 feet per minute. Convenient 360° turret rotation and film traverse provides easy reading of all film formats.

<u>Model No.</u>	<u>Suggested List Price</u>	<u>Qty.</u>	<u>Gov't Discount</u>	<u>Gov't Net Price</u>
<b>"500M" Motorized Reader-Printer</b> — Without lens. See page 24.				
<b>275AAR</b>	\$2,580.00	1	6 %	\$2,425.20
		2	9 %	2,347.80
		3	10 %	2,322.00



# 3M "500" PAGE SEARCH READER-PRINTER

*Special Item No. 21-18*

The 3M "500" Page Search Reader-Printer retrieves specific microfilm images in just seconds with digital keyboard input and pushbutton simplicity. It provides low-cost, completely dry prints on wide latitude dry-silver paper that produces excellent copies from even poor quality film. Includes film traverse and image rotation capability. It handles any blip-encoded 16 mm microfilm, positive or negative, with automatic centering feature.



Model	Suggested List Price	Qty.	Gov't Discount	Gov't Net Price
<b>"500" Page Search Reader-Printer—Without lens. See page 24.</b>				
<b>275AAP</b>	\$6,075.00	1	6 %	\$5,710.50
		2	9 %	\$5,528.25
		3	10 %	\$5,467.50

## FOR INTERNATIONAL USE

The "500" Series of Reader-Printers, under Special Item No. 21-18, is also available for international use. All features and advantages are identical except for 90-250 volt, 10 ampere, 50/60 cycle AC electrical requirements.

Model No.	Suggested List Price	Qty.	Gov't Discount	Gov't Net Price
<i>Special Item 21-18</i>				
<b>"500C" Cartridge Reader-Printer—Without lens. See page 24.</b>				
<b>275ABC</b>	\$2,930.00	1	6 %	\$2,754.20
		2	9 %	2,666.30
		3	10 %	2,637.00

*Special Item 21-18*

<b>"500" Page Search Reader-Printer—Without lens. See Page 24.</b>				
<b>275ABP</b>	\$6,125.00	1	6 %	\$5,757.50
		2	9 %	5,573.75
		3	10 %	5,512.50

*Special Item 21-14*

<b>"500M" Motorized Reader-Printer—Without lens. See page 24.</b>				
<b>275ABR</b>	\$2,630.00	1	6 %	\$2,472.20
		2	9 %	2,393.30
		3	10 %	2,367.00

*Special Item 21-14*

<b>"500F" Microfiche Reader-Printer—Without lens. See page 24.</b>				
Also without microfiche holder. See page 29 for price and size.				
<b>275ABM</b>	\$2,255.00	1	6 %	\$2,119.70
		2	9 %	2,052.05
		3	10 %	2,029.50

# ACCESSORIES for READERS and READER-PRINTERS

Special Items 21-14a, 21-17a, 21-18a

## LENSES and ADAPTATION KITS

"400" and "500"

### READERS and READER-PRINTERS

The "400" and "500" Series of Reader-Printers is made more flexible with a variety of interchangeable lenses. Twelve reduction ratios from 6.5:1 to 35:1 are made readable and printable. Lenses are of high quality, refraction and defraction limited and have a fixed focus. Any microfilm image from check stubs to computer output microfilm is made accessible. A list of combinations of lenses and specific Reader-Printers follows. It will help you order the right combination and required accessory kits that will make readers and reader-printers more productive.

	400CR-T	500CR-T	400 Page Search Reader	400B	400M	400C-T	400F	400FF	400 Page Search Reader-Printer	500M	500F	500C-T	500 Page Search Reader-Printer
6.59 X				1+2	1+2		1+2	1+2			1+2		
8.05 X				2	2		2	2		2	2		
10.6 X				2	2		2	2		2	2		
12.05 X				X	X		X	X		X	X		
14.88 X	6	6	6	X	X	6	X	X	6	X	X	6	6
15.7 X	6	6	6	X	X	6	X	X	6	X	X	6	6
18.25 X	X	X	X	X	X	X	X	X	X	X	X	X	X
20.78 X	X	X	X	X	X	X	X	X	X	X	X	X	X
23 X	X	X	X	X	X	X	X	X	X	X	X	X	X
25 X	X	X	X	X	X	X	X	X	X	X	X	X	X
29 X	3	3	3	4	4	3	4	4	3	4	4	3	3
35 X				4+5	4+5		4	4		4+5	4		

X—Fully compatible without use of adaptation kits

1—Compatible on all machines except those equipped with Large Screen Kits

2—Requires use of LENS PLATE KIT, LOW RANGE

3—Requires use of 29X LENS ADAPTER and 29X LENS CONDENSER

4—Requires use of LENS PLATE KIT, HIGH RANGE

5—Requires use of 35X CLAMP KIT

6—Compatible, but full size image is not obtainable

Blank—Not compatible

Prices are on page 25.



## "400" and "500" cont'd

*Special Items No's. 21-14a, 21-17a, 21-18a*

Item (Kit price does not include installation charge)	Suggested List Price	Gov't Discount	Gov't Net Price
<b>All Lenses</b> . . . . .	\$115.00 ea.	5 %	\$109.25 ea.
<b>Lens Plate Kit, Low Range</b> . . . . .	47.57 ea.	5 %	45.19 ea.
<b>29X Lens Adapter</b> . . . . .	6.23 ea.	5 %	5.92 ea.
<b>29X Lens Condenser</b> . . . . .	9.63 ea.	5 %	9.15 ea.
<b>Lens Plate Kit, High Range</b> . . . . .	22.50 ea.	5 %	21.38 ea.
<b>35X Clamp Kit</b> . . . . .	15.75 ea.	5 %	14.96 ea.

## "200" READER-PRINTER

*Special Item No. 21-14a*

May be installed on any "200" Series Reader-Printer in place of the standard 14.5X Lens.

Item	Suggested List Price	Gov't Discount	Gov't Net Price
<b>15X Lens</b> . . . . .	\$150.00 ea.	5 %	\$142.50 ea.
<b>12X Lens</b> . . . . .	331.54 ea.	5 %	314.96 ea.

## "EXECUTIVE" READER-PRINTERS

*Special Item No. 21-14a*

Item	Suggested List Price	Gov't Discount	Gov't Net Price
<b>15X Lens</b> (For all new "Executives" & "Executive I's" with number 103567 or above.) . . . . .	\$ 35.00 ea.	5 %	\$ 33.25 ea.
<b>15X Lens Kit</b> (including 15X lens for machines prior to number 103567) . . . . .	66.40 ea.	5 %	63.08 ea.
<b>20X Lens</b> . . . . .	35.00 ea.	5 %	33.25 ea.
<b>24X Lens</b> . . . . .	35.00 ea.	5 %	33.25 ea.
<b>32X Lens</b> (For "Executive's" with brite-light source only) . . . . .	60.00 ea.	5 %	57.00 ea.

## PLATEN ASSEMBLY *Special Item No's. 21-17a, 21-18a*

Enable the "400" or "500" Cartridge Readers and Reader-Printers (including traversing units) to obtain optimum continuous focusing across the frame of film with films of different thicknesses.

Item	Suggested List Price	Gov't Discount	Gov't Net Price
<b>Diazo Platen Assembly</b> (For Diazo & 3 mil or thin film) . . . . .	\$ 40.00 ea.	5 %	\$ 38.00 ea.
<b>Silver Platen Assembly*</b> (For Silver & 6 mil or normal film) . . . . .	40.00 ea.	5 %	38.00 ea.

\*Included on all "400" and "500" cartridge machines.

## ACCESSORIES FOR 3M "EXECUTIVE" READER-PRINTERS

*Special Item No. 21-14a*

### INDEX GRIDS

<u>Item</u>	<u>Suggested List Price</u>	<u>Gov't Discount</u>	<u>Gov't Net Price</u>
<b>Aperture Card Format</b> Dual sided: 8-up 24X; 4-up 15X	\$4.19 ea.	5 %	\$3.98 ea.
<b>Fiche Format</b> Dual sided: ANSI 20X; COSTATI 20X	1.95 ea.	5 %	1.85 ea.
<b>Fiche Format</b> ANSI 24X	1.95 ea.	5 %	1.85 ea.
<b>Tab Fiche Format</b> IBM 20X	5.01 ea.	5 %	4.76 ea.
<b>Tab Fiche Format</b> IBM 24X	5.01 ea.	5 %	4.76 ea.

### VIEWING SCREEN

Available in blue or neutral grey, this coated screen provides improved viewing.

<u>Item</u>	<u>Suggested List Price</u>	<u>Gov't Discount</u>	<u>Gov't Net Price</u>
<b>"Executive I" Polycoat Screen</b>	\$22.50 ea.	5 %	\$21.38 ea.

(Specify Color: Blue or Grey)



# **KIT COMPATIBILITY** **for "400" and "500" SERIES READERS** **and READER-PRINTERS**

KITS	READERS							READER-PRINTERS						
	400CR-T	400 Page Search Reader	500CR-T	400B	400M	400F	400FF	400C-T	400 Page Search Reader-Printer	500M	500F	500C-T	500 Page Search Reader-Printer	
Film Annotator	yes	yes	yes	no	no	no	no	yes	yes	no	no	yes	yes	
“400” Half-Sheet				yes	yes	yes	no	yes	yes					
“500” Half-Sheet										yes	yes	yes	yes	
“400” Half-Sheet / Full-Sheet				yes	yes	yes	std.	yes	no					
“500” Half-Sheet / Full-Sheet										yes	yes	yes	no	
Wide Screen Reader	yes	1	std.											
Wide Screen Reader-Printer				yes	yes	yes	yes	yes	1	std.	std.	std.	std.	
Microfiche	no	no	no	yes	yes	std.	std.	no	no	yes	std.	no	no	
Odometer	std.	std.	std.	yes	yes			std.	std.	yes		std.	std.	
Odometer Mirror	yes	yes	yes	no	no			yes	yes	no		yes	yes	
“400” Narrow Sheet				yes	yes	yes	yes	yes	yes					
“500” Narrow Sheet										yes	yes	yes	yes	

Yes—Fully Compatible.  
 No—Not Compatible.  
 Blank—Not Applicable.  
 Std.—This capability is a standard feature of machine.  
 1— Special Kit.

## FILM ANNOTATOR KIT *Special Item No. 21-18a*

The Film Annotator, when installed on a "400" or "500" Cartridge Reader-Printer, allows the operator to mark a frame of microfilm while viewing the image of that frame. A red, number 162 "Listo" lead is loaded into the annotator. When the operator desires to mark a frame of film, he simply presses the annotator plunger, which presses the lead onto and across the microfilm frame. The lead marks the film. This mark can be easily seen on the viewing screen and on reader-printer copies of the frame. The mark can be removed by rubbing it with a clean, non-abrasive cloth. Price does not include installation charge.

<u>Item</u>	<u>Suggested List Price</u>	<u>Gov't Discount</u>	<u>Gov't Net Price</u>
Film Annotator Kit	\$29.50 ea.	5 %	\$28.03

## WIDE SCREEN KIT

*Special Item Nos. 21-14a, 21-17a, 21-18a*

Make existing Series "400" Readers and Reader-Printers super viewers with a large screen assembly. Provides sharp, large (12" x 14") viewing in three tints (blue, green, neutral). Specify screen color. Less eye fatigue. Price does not include installation charge.

<u>Item</u>	<u>Suggested List Price</u>	<u>Gov't Discount</u>	<u>Gov't Net Price</u>
3M "400" Reader-Printer Wide Screen Kit* . . . . .	\$157.50 ea.	5 %	\$149.63 ea.
3M "400" Reader Wide Screen Kit* . . . . .	95.50 ea.	5 %	90.73 ea.
3M "400 Page Search" Reader-Printer Wide Screen Kit* . . . . .	186.50 ea.	5 %	177.18 ea.
3M "400 Page Search" Reader Wide Screen Kit* . . . . .	125.00 ea.	5 %	118.75 ea.
Wide Screen Assembly (Specify color: Blue, Green, or Neutral Grey) . . . . .	37.50 ea.	5 %	35.63 ea.

\*"Wide Screen Kit" requires "Wide Screen Assembly"



## **ODOMETER KIT** *Special Item No. 21-14a*

For the 3M "400B", "400M" and "500M". Gives these units the same odometer indexing capability which is standard on the 400 Cartridge machines, for 16mm film. Price does not include installation charge.

<u>Item</u>	<u>Suggested List Price</u>	<u>Gov't Discount</u>	<u>Gov't Net Price</u>
Odometer Kit	\$43.00 ea.	5 %	\$40.85 ea.

## **ODOMETER MIRROR KIT** *Special Item No's. 21-17a, 21-18a*

For "400" and "500" Series Cartridge Readers and Reader-Printers. Enables easy front viewing of the odometer with turret rotated in 90° position. Price does not include installation charge.

<u>Item</u>	<u>Suggested List Price</u>	<u>Gov't Discount</u>	<u>Gov't Net Price</u>
Odometer Mirror Kit	\$9.95 ea.	5 %	\$9.45 ea.

## **MICROFICHE KIT AND HOLDER**

*Special Item No. 21-14a*

Enables you to modify a "400B", "400M" or "500M" Reader-Printer for optimum handling of aperture cards, microfiche, or microfilm jackets. Different size holders are available for specific requirements. The microfiche holder must also be ordered for "400F" and "500F". Price does not include installation charge.

<u>Item</u>	<u>Suggested List Price</u>	<u>Gov't Discount</u>	<u>Gov't Net Price</u>
3M Microfiche Kit *	\$185.00 ea.	5 %	\$175.75 ea.
*Requires one of the following Microfiche Holders:			
Microfiche Holder (8" x 4¼")	\$ 35.00 ea.	5 %	\$ 33.25 ea.
Microfiche Holder (8" x 5¼")	35.00 ea.	5 %	33.25 ea.
Microfiche Holder (8" x 7")	35.00 ea.	5 %	33.25 ea.

## HALF-SHEET/ FULL-SHEET KIT

*Special Item No's. 21-14a, 21-18a*

Any "400" or "500" Series Reader-Printer (except Page Search units) can give a half sheet or a full sheet of printout when an accessory kit is installed. By simply shifting a button a half-size (8" x 4 $\frac{5}{8}$ ") or full-size (8" x 10 $\frac{3}{4}$ ") copy of the microfilm image emerges from the reader-printer in just six seconds. Helps save on cost per print. Kit price does not include installation charge.

<u>Item</u>	<u>Suggested List Price</u>	<u>Gov't Discount</u>	<u>Gov't Net Price</u>
"400" H.S. /F.S. Kit, ea.	\$300.00 ea.	5 %	\$285.00 ea.
"500" H.S. /F.S. Kit, ea.	\$200.00 ea.	5 %	\$190.00 ea.

## HALF-SHEET KIT *Special Item No's. 21-14a, 21-18a*

Adapts any "400" or "500" Series Reader-Printer to provide a half-sheet print size of 8" x 4 $\frac{5}{8}$ ". For special applications and filming techniques that require only half sheet printout. Price does not include installation charge.

<u>Item</u>	<u>Suggested List Price</u>	<u>Gov't Discount</u>	<u>Gov't Net Price</u>
"400" Half-Sheet Kit, ea.	\$25.00 ea.	5 %	\$ 23.75 ea.
"500" Half-Sheet Kit, ea.	\$25.00 ea.	5 %	\$ 23.75 ea.

## NARROW-SHEET KIT

*Special Item No's. 21-14a, 21-18a*

May be installed on any "400" or "500" Series Reader-Printer. "400" Kit accommodates paper 4" to 8" wide. "500" Kit accommodates 4 $\frac{1}{2}$ " paper only. Price does not include installation charge.

<u>Item</u>	<u>Suggested List Price</u>	<u>Gov't Discount</u>	<u>Gov't Net Price</u>
"400" Narrow-Sheet Kit, ea.	\$ 12.00 ea.	5 %	\$ 11.40 ea.
"500" Narrow-Sheet Kit, ea.	\$ 80.00 ea.	5 %	\$ 76.00 ea.



# MICROFILM CARTRIDGES & ACCESSORIES

## MICROFILM CARTRIDGES *Special Item No. 21-19*

For use with the 3M "400" and "500" Series Cartridge Reader and Cartridge Reader-Printer with and without traverse. Accommodates 16mm film. Available in Beige, Red, Green or Blue.

Ordering Data: 100 per color minimum quantity.

Order only in increments of 100 per color.

	Quantity (Cartridges)	Suggested List Price	Gov't Discount	Gov't Net Price
Price, per Cartridge	100	\$1.38	5 %	\$1.31
	1,000	1.21	5 %	1.15
	10,000 & up	.99	5 %	.94

## ACCESSORIES FOR CARTRIDGES *Special Items No. 21-17a, 21-18a*

Item	Suggested List Price	Gov't Discount	Gov't Net Price
<b>Cartridge Leader</b> (Order in increments of 10) Not for Page Search equipment.	\$1.40/10	5 %	\$1.33/10
<b>Film Trailers—Red</b> (Order in increments of 10)	3.10/10	5 %	2.95/10
<b>Cartridge Inserts</b> (Order in increments of 50 pieces). Reduces maximum capacity of cartridge by 50%. Two pieces required per cartridge.	7.00/50 pcs.	5 %	6.65/50 pcs.
<b>Splicing Tabs</b> (100 per box—order in increments of 10 boxes). Polyester tape for 16mm film provides permanent repair of film breaks. (Not for Page Search equipment.)	17.50/10 bxs.	5 %	16.62/10 bxs.
<b>Cartridge Labels, "Peelable"</b> (Order in increments of 1020)	.07 ea.	5 %	.0665 ea.
<b>Cartridge Labels, Non-Peelable</b> (Order in increments of 100)	.07 ea.	5 %	.0665 ea.
<b>Cartridge Mailer</b> Permanent containers for storing, transporting, or mailing from 1-8 cartridges or 1-8 reels of 16mm microfilm; or, 1-4 cartridges or 1-4 reels of 35mm microfilm	6.95 ea.	5 %	6.60 ea.
<b>Cartridge Label Protectors</b> (Order in increments of 100)	4.00/100	5 %	3.80/100

## MICROFILM CARTRIDGE LOADER *Special Item No. 21-19*

Provides a simple convenient means of loading up to 100 feet of standard 16mm microfilm into 3M "400" Microfilm cartridges. Plastic leader and trailer strips supplied with each cartridge are spliced to the microfilm before loading.

**DIMENSIONS:** 28" wide, 6" deep, 10" high.

Item	Suggested List Price	Gov't Discount	Gov't Net Price
<b>Loaders, each</b>	\$135.00	5 %	\$128.25

## CARTRIDGE ACCESSORIES for PAGE SEARCH READERS and READER-PRINTERS *Special Items 21-17a, 21-18a*

<u>Description</u>	<u>Suggested List Price</u>	<u>Quantity</u>	<u>Gov't Discount</u>	<u>Gov't Net Price</u>
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**Opaque Page Search Splicing Tab**—For Blip Encoded negative and positive film

100 Tabs per box; 10 boxes per carton (1000 Tabs)  
Order in increments of 10 boxes.

\$21.00/10 bxs.	10 bxs. +	5 %	\$19.95/10 bxs.
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**Transparent Page Search Leader**—For Blip Encoded negative film

10 Leaders per package—Order in increments of 10 leaders.

\$ 1.70/10 ldrs.	10-990	5 %	\$ 1.62/10 ldrs.
1.50/10 ldrs.	1000-9990	5 %	1.43/10 ldrs.
1.30/10 ldrs.	10000-Up	5 %	1.24/10 ldrs.

**Opaque Page Search Leader**—For Blip Encoded positive film

10 Leaders per package—Order in increments of 10 leaders.

\$ 3.10/10 ldrs.	10-990	5 %	\$ 2.95/10 ldrs.
2.80/10 ldrs.	1000-9990	5 %	2.66/10 ldrs.
2.40/10 ldrs.	10000-Up	5 %	2.28/10 ldrs.

**Page Search Cartridge Assembly Kit**—Without Leader

Order in increments of 100 per color. Available in Beige, Red, Green, or Blue.

\$ 1.16 ea.	100-900	5 %	\$ 1.10 ea.
1.02 ea.	1000-9900	5 %	.97 ea.
.88 ea.	10000-Up	5 %	.84 ea.



## STANDS AND FILING ACCESSORIES

### STAND FOR "200" READER-PRINTERS

*Special Item No. 21-14a*

Includes storage area for supplies and convenient work area.

<u>Item</u>	<u>Suggested List Price</u>	<u>Gov't Discount</u>	<u>Gov't Net Price</u>
"200" Stand	\$250.00 ea.	5 %	\$237.50 ea.

### MICROFILM SYSTEMS CENTER

*Special Item No's. 21-14a, 21-17a, 21-18a*

The versatile microfilm system center is designed to place the screen of 3M Reader and Reader-Printers at a comfortable height for easy viewing and efficient operation. The 20" x 24" machine platform is large enough to accommodate other reader-printers and office machines as well.

Each file drawer can accommodate over 5000 4" x 6" fiche, 70 rolls or cartridges or 3500 aperture cards. Has a slide-out work tray for note taking and work preparation. Provides storage space for supplies on underneath shelf. Is finished in charcoal with 3M Tartan-Clad walnut drawer fronts.



<u>Item</u>	<u>Suggested List Price</u>	<u>Gov't Discount</u>	<u>Gov't Net Price</u>
One-Drawer System Center	Each \$225.00	5 %	Each \$213.75
Two-Drawer System Center	Each \$275.00	5 %	Each \$261.25

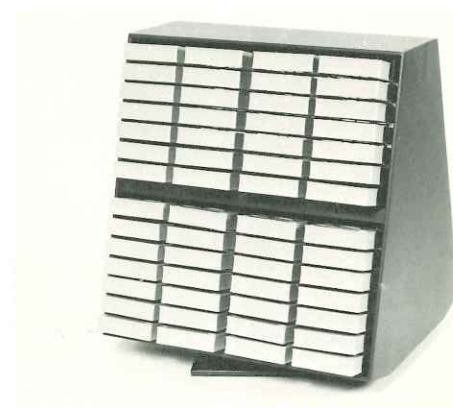
### 3M "112" DESK TOP FILE

*Special Item No's. 21-14a, 21-17a, 21-18a*

A revolving carousel file is suitable for use alongside any Reader or Reader-Printer. The file holds up to 112 cartridges or 16mm roll microfilm in eight vertically canted non-scratch racks enclosed in a cabinet.

The lazy susan arrangement gives easy access to all cartridges and rolls. Has a very quiet and efficient operation.

**DIMENSIONS:** 25" diameter, Height: 22"



<u>Item</u>	<u>Suggested List Price</u>	<u>Gov't Discount</u>	<u>Gov't Net Price</u>
"112" Desk Top File	\$86.00 ea.	5 %	\$81.70 ea.

# 3M "333" DRY SILVER PRINTER

*Special Item 21-16*



The 3M Brand "333" Dry Silver Printer creates a low cost copy up to 18" x 24" from a single frame of microfilm.

This new, revolutionary, dry silver printing process produces the first copy in 16 seconds, and subsequent copies at the rate of up to six a minute. Twice as fast as most microfilm printers! You can load up to 200 microfilm cards and get as many as 25 prints per card automatically. And its print production is up to 2,800 copies in an eight-hour shift. The "333" is completely dry. No chemicals mean minimum cleanup and machine maintenance time. Print paper, in easy-to-install rolls, is trimmed to size automatically.

The "333" is the perfect companion for the 3M "2000" Microfilm Processor-Camera.

**DIMENSIONS:** 46 $\frac{3}{4}$ " high, 61" wide, 29" deep;  
**Weight:** 500 lbs.

<u>Model No.</u>	<u>Suggested List Price</u>	<u>Qty.</u>	<u>Gov't Discount</u>	<u>Gov't Net Price</u>
<b>102AA</b> (With 14.5x lens)	\$8,655.00 ea.	1 & Up	5 %	\$8,222.25 ea.
<b>Electrical requirements:</b> 110-130 volts, 60 cycle AC. Independent 20 amperes, outlet within 6 ft. of machine.				

## FOR INTERNATIONAL USE

<u>Model No.</u>	<u>Suggested List Price</u>	<u>Qty.</u>	<u>Gov't Discount</u>	<u>Gov't Net Price</u>
<b>102AB</b> (With 14.5x lens)	\$8,955.00 ea.	1 & Up	5 %	\$8,507.25 ea.
<b>Electrical requirements:</b> 90-250 volts, 50 cycle AC.				



# 3M ACCESSORIES for DRY SILVER PRINTERS

*Special Item 21-16a*

## RISER STAND FOR "333" PRINTER

An attractive addition which raises the "333" a total of 14 inches higher for greater ease when the operators will be standing instead of sitting.

<u>Item</u>	<u>Suggested List Price</u>	<u>Gov't Discount</u>	<u>Gov't Net Price</u>
Riser for "333"	\$225.00 ea.	5 %	\$213.75 ea.

## STATIC ELIMINATOR KIT

An attachment which is installed in the paper stacking tray of the "333" to facilitate easy print removal, folding, and handling.

<u>Item</u>	<u>Suggested List Price</u>	<u>Gov't Discount</u>	<u>Gov't Net Price</u>
Static Eliminator Kit for "333"	\$120.00 ea.	5 %	\$114.00 ea.
(Kit price does not include installation)			

## OPTIONAL LENSES FOR "333" PRINTER

The standard lens which is included in the "333" has a magnification ratio of 14.5x. These lenses can be installed in the "333" to give it a printing magnification ratio of either 15x or 16x.

<u>Item</u>	<u>Suggested List Price</u>	<u>Gov't Discount</u>	<u>Gov't Net Price</u>
15x Lens for "333"	\$475.00 ea.	5 %	\$451.25 ea.
16x Lens Kit for "333"	475.00 ea.	5 %	451.25 ea.
(Kit does not include installation)			

# 3M CARD DUPLICATING EQUIPMENT

*Special Item 21-16*



## 3M "DUPLI-PRINTER" CARD-TO-CARD PRINTER

The new 3M Brand Dupli-Printer copies images from master aperture cards of the silver, diazo or thermal type, using either positive or negative masters to produce diazo copies.

With the adjustable exposure range control, high-quality Diazo Duplicards are assured every time—at a rate of eight Duplicards per minute!

Place the 3M Dupli-Printer in the most convenient location in your office — it requires no venting. When you need an ammonia refill, quickly change the sealed ammonia container — no obnoxious fumes even during the changeover!

The 3M Dupli-Printer and Duplicards assure Mil-D aperture card copies that meet every standard.

**DIMENSIONS:** Height: 38", Length: 30" including work surface (27" from floor), Depth: 15". **Electrical Requirements:** 115 volts, 5 amperes, 60 cycles. **Weight:** 82 lbs.

<u>Model No.</u>	<u>Suggested List Price</u>	<u>Qty.</u>	<u>Gov't Discount</u>	<u>Gov't Net Price</u>
420AA	\$2,995.00 ea.	1	6 %	\$2,815.30
		2	9 %	2,725.45
		3	10 %	2,695.50

## FOR INTERNATIONAL USE

420AH	\$3,145.00	1	6 %	\$2,956.30
90-250 volts,		2	9 %	2,861.95
8 amperes,		3	10 %	2,830.50
50-60 cycle AC.				

## SUPPLIES for DUPLICATING EQUIPMENT

*Special Item 21-16a*

### "DUPLI-PRINTER ABSORBER PACKS

Per pkg. of 2                      \$11.00/pkg.                      5%                      \$10.45/pkg.

### AMMONIA CYLINDER ASSEMBLY\*

Initial Minimum Order

Qty. of 2                      \$40.00                      5%                      \$38.00 each

\*\$19.95 credit obtainable for return of empty cylinders.

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"086" Ammonia Developer — For use with "Uniprinter 086"  
 Per quart ordered                      \$1.85 /qt.                      5 %                      \$1.76 /qt.  
 in increments of 12



# 3M

## MICROFILM MOUNTERS

*Special Item 21-15*

### 3M HAND MOUNTER— APERTURE SIZE: MIL "D"

*Special Item 21-15*

With a 3M Hand Mounter anyone can convert roll microfilm to aperture card form in seconds. Film is mounted by inserting aperture card into the mounter, centering the image in the aperture, and depressing a lever. Film is cut and mounted in one operation. An average of 400 frames can be mounted per hour — experienced operators can mount up to 600 frames per hour.

This new improved model has special modified feed rollers, redesigned cutting dies, positive acting film advance knob, spring loaded cam action to facilitate operation.

**DIMENSIONS:** 6½" high, 7" wide, 9" deep. **Weight:** 16 pounds.



<u>Model No.</u>	<u>Suggested List Price</u>	<u>Qty.</u>	<u>Gov't Discount</u>	<u>Gov't Net Price</u>
<b>38BA</b>	\$ 610.00	1	6 %	\$ 573.40
		2	9 %	555.10
		3	10 %	549.00

**Electrical requirements:** Lamp 6 Watts. 110/120 Volts.

## FOR INTERNATIONAL USE

<u>Model No.</u>	<u>Suggested List Price</u>	<u>Qty.</u>	<u>Gov't Discount</u>	<u>Gov't Net Price</u>
<b>38BH</b>	\$ 615.00	1	6 %	\$ 578.10
		2	9 %	559.65
		3	10 %	553.50

**Electrical requirements:** 220 Volts, 50/60 cycle AC.

## 3M SEMI-AUTOMATIC OPTICAL MOUNTER—APERTURE SIZE: MIL "D"

*Special Item 21-15*



The 3M Semi-Automatic Mounter is designed especially for mounting frames of microfilm into pre-punched account machine cards. The operator centers the film in the mounter screen . . . compares the film data projected on the screen with the posted and punched data on the 3M Aperture Card . . . presses a button to activate the film die that cuts the film frame; positions it in the card, and automatically advances the next film frame.

Operation and maintenance are simple. Exhaust blowers keep the film plane and glass vinyl anvil cooler than most readers. Other features include provision for using 100 or 1000-foot rolls of microfilm; magnifying glass to assist in checking vital data; prism for right reading of data; easy adjustment of mirrors for mounting either negative or positive film.

**DIMENSIONS:** 50" high, 60 $\frac{3}{4}$ " wide, 20 $\frac{1}{4}$ " deep. **Weight:** 253 lbs.

<u>Model No.</u>	<u>Suggested List Price</u>	<u>Qty.</u>	<u>Gov't Discount</u>	<u>Gov't Net Price</u>
<b>39BA</b>	\$4,365.00	1	6 %	\$4,103.10
		2	9 %	3,972.15
		3	10 %	3,928.50

**Electrical requirements:** Lamp 150 Watts. 120 Volts, base down (G.E.)

## FOR INTERNATIONAL USE

<u>Model No.</u>	<u>Suggested List Price</u>	<u>Qty.</u>	<u>Gov't Discount</u>	<u>Gov't Net Price</u>
<b>39BB</b>	\$4,380.00	1	6 %	\$4,117.20
		2	9 %	3,985.80
		3	10 %	3,942.00

**Electrical requirements:** 100-240 Volts. 50/60 cycle AC.



# **SUPPLIES for READER-PRINTERS and PRINTERS**

## **3M MICROFILM PRINT PAPER**

*Special Item 21-40*

**All papers shall be ordered in carton increments and in no less than the specified minimum carton quantity.**

**TYPE 761**—A special light responsive paper complementary to the 3M Brand Microfilm Reader-Printer Models "100" - "200" - "300"—packaged in roll form; soft white finish; sturdy heavyweight. (Cannot be used in "400" series.) **PACKED 4 ROLLS PER CARTON.**

**TYPE 764**—Lighter in weight than Type 761 but more suitable for certain applications. Interchangeable size for size with Type 761, for use in 3M Brand "100", "200", and "300" Reader-Printers. (Cannot be used in "400" series Reader-Printer.) **PACKED 4 ROLLS PER CARTON.**

**TYPE 768**—A special light responsive paper complementary to the 3M "400" series Reader-Printers only. Lighter in weight than Type 769 and more suitable for certain applications. It is not interchangeable with Types 761 and 764. **PACKED 4 ROLLS PER CARTON.**

**TYPE 769**—A heavier weight paper than Type 768 with which it is interchangeable size for size. Not interchangeable with Types 761 and 764. **PACKED 4 ROLLS PER CARTON.**

**TYPE 771**—For use in the "111", "222", and "333" Dry Silver Printers. High quality super calendered stock has sufficient weight for easy handling and is highly resistant to curl. A resin is coated on the image side of the paper provide good writing characteristics. Images are black on a white background. **SEE ORDERING INCREMENTS ON PAGE 42.**

**TYPE 790**—For use in the Executive Reader-Printers. Paper is pre-cut 8½" x 11", **PACKED 100 SHEETS TO A PACKET WITH TWO PACKETS TO A CARTON.** Images are black on white. Excellent writing characteristics.

**TYPE 795**—For use in the "500" Series of Reader-Printers. Paper is 8½" wide and comes in 500 foot rolls. Images are black on a white background with excellent writing characteristics. **4 ROLLS/CARTON**

**TYPE 761—3M MICROFILM PRINT PAPER**

ORDER IN CARTON INCREMENTS (4 ROLLS PER CARTON)

<u>Size of Roll</u>	<u>Suggested List Price Per Roll</u>	<u>Gov't Discount</u>	<u>Gov't Net Price Per Roll</u>
<b>8" x 300' (for 3M "100")</b>			
FSN 7530-543-7274			
4 Rolls	\$31.26	7 %	\$29.07
24 Rolls		10 %	28.13
48 Rolls		12 %	27.51
96 Rolls		19 %	25.32
<b>8½" x 300' (for 3M "100")</b>			
FSN 7530-543-7275			
4 Rolls	\$33.23	7 %	\$30.90
24 Rolls		10 %	29.91
48 Rolls		12 %	29.24
96 Rolls		19 %	26.92
<b>8½" x 300' (for 3M "300")</b>			
FSN 7530-845-8232			
4 Rolls	\$33.57	7 %	\$31.22
24 Rolls		10 %	30.21
48 Rolls		12 %	29.54
96 Rolls		19 %	27.19
<b>11" x 300' (for 3M "300")</b>			
FSN 7530-845-8233			
4 Rolls	\$43.42	7 %	\$40.38
24 Rolls		10 %	39.08
48 Rolls		12 %	38.21
96 Rolls		19 %	35.17
<b>18" x 237' (for 3M "200")</b>			
FSN 7530-656-1040			
4 Rolls	\$32.96	8 %	\$30.32
24 Rolls		10 %	29.66
48 Rolls		12 %	29.00
96 Rolls		20 %	26.37

**TYPE 764—3M MICROFILM PRINT PAPER** *Special Item No. 21-40*

ORDER IN CARTON INCREMENTS (4 ROLLS PER CARTON)

<b>8" x 300' (for 3M "100")</b>			
4 Rolls	\$31.26	7 %	\$29.07
24 Rolls		10 %	28.13
48 Rolls		12 %	27.51
96 Rolls		19 %	25.32
<b>8½" x 300' (for 3M "100")</b>			
4 Rolls	\$33.23	7 %	\$30.90
24 Rolls		10 %	29.91
48 Rolls		12 %	29.24
96 Rolls		19 %	26.92



## TYPE 764—3M MICROFILM PRINT PAPER (cont'd)

Size of Roll	Suggested List Price Per Roll	Gov't Discount	Gov't Net Price Per Roll
<b>8½" x 300'</b> (for 3M "300")			
4 Rolls	\$33.57	7 %	\$31.22
24 Rolls		10 %	30.21
48 Rolls		12 %	29.54
96 Rolls		19 %	27.19
<b>11" x 300'</b> (for 3M "300")			
4 Rolls	\$43.42	7 %	\$40.38
24 Rolls		10 %	39.08
48 Rolls		12 %	38.21
96 Rolls		19 %	35.17
<b>18" x 300'</b> (for 3M "200")			
4 Rolls	\$41.62	8 %	\$38.29
24 Rolls		10 %	37.46
48 Rolls		12 %	36.63
96 Rolls		20 %	33.30

## TYPES 768 & 769—3M MICROFILM PRINT PAPER

*Special Item No. 21-40—For use with "400" Series R/P's only.*

ORDER IN CARTON INCREMENTS (4 ROLLS PER CARTON)

<b>4½" x 375'</b> (769 only)			
4 Rolls	\$23.50	7 %	\$21.86
24 Rolls		10 %	21.15
48 Rolls		12 %	20.68
96 Rolls		19 %	19.04
<b>6" x 375'</b> (769 only)			
4 Rolls	31.32	7 %	\$29.13
24 Rolls		10 %	28.19
48 Rolls		12 %	27.56
96 Rolls		19 %	25.37
<b>8½" x 375'</b> (768 or 769)			
4 Rolls	\$37.00	7 %	\$34.41
24 Rolls		10 %	33.30
48 Rolls		12 %	32.56
96 Rolls		19 %	29.97

## TYPE 771—3M DRY SILVER PAPER

*Special Item No. 21-40*

<u>Size of Roll</u>	<u>Suggested List Price Per Roll</u>	<u>Gov't Discount</u>	<u>Gov't Net Price Per Roll</u>
<b>8½" x 400'</b> (For "111" and "222" Dry Silver Printers)			
12 Rolls	\$15.11	5 %	\$14.35
24 Rolls		7 %	14.05
48 Rolls		9 %	13.75
96 Rolls		12 %	13.30

4 ROLLS PER CARTON—MINIMUM ORDER QUANTITY IS 12 ROLLS.  
ORDER IN 4-ROLL INCREMENTS THEREAFTER.

<b>12" x 1000'</b> (For "333" Dry Silver Printer)			
12-23 Rolls	\$35.55	5 %	\$33.77
24-47 Rolls		9 %	32.35
48-95 Rolls		13 %	30.93
96-Up Rolls		17.6 %	29.29

1 ROLL PER CARTON—MINIMUM ORDER QUANTITY IS 12 ROLLS.  
SINGLE-ROLL INCREMENTS MAY BE ORDERED THEREAFTER.

<b>18" x 1000'</b> (Single-Roll Pack) (For "333" Dry Silver Printer)			
1-23 Rolls	\$52.08	5 %	\$49.48
24-47 Rolls		9 %	47.39
48-95 Rolls		13 %	45.31
96-Up Rolls		17.6 %	42.91

1 ROLL PER CARTON—MAY BE ORDERED IN SINGLE-ROLL INCREMENTS AS INDICATED.

<b>18" x 1000'</b> (24-Roll Bulk Pack) (For "333" Dry Silver Printer)			
24 Rolls	\$48.00	5 %	\$45.60
48 Rolls		9 %	43.68
96 Rolls		12 %	42.24
120 Rolls		14 %	41.28
144 Rolls		17 %	39.84
192 Rolls		19 %	38.88

ORDER IN 24-ROLL INCREMENTS ONLY.



## TYPE 790—DRY SILVER PAPER

*Special Item No. 21-40*

8½" x 11" sheets, for "Executive" Reader-Printers. 200 sheets per box. Order in 200-sheet increments.

<u>Item</u>	<u>Suggested List Price Per 100 Shts.</u>	<u>Qty-Shts.</u>	<u>Gov't Discount</u>	<u>Gov't Net Price Per 100 Shts.</u>
<b>790</b> —8½ x 11"	\$10.95	200-1800	5 %	\$10.40
		2000-9800	6 %	10.29
		10000 plus	8 %	10.07

## TYPE 795—DRY SILVER PAPER

*Special Item No. 21-40*

**3M Dry Silver Paper for "500" Series Reader-Printers**—Packed 4 rolls per carton, order in carton increments.

**8½" x 500'**

4 Rolls	\$28.50	5 %	\$27.08
24 Rolls		7 %	26.51
48 Rolls		9 %	25.94
96 Rolls		12 %	25.08

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## PRINT ACTIVATOR

*Special Item No. 21-41 and FSN 6750-608-1092*

**PRINT ACTIVATOR**—For use with 3M Microfilm Print Paper—Types 761, 764, 768, 769. Packed 12 pints or 12 quarts per case. Specify pints or quarts.

	<u>Per Pint FSN 6750-608-1092</u>	<u>Per Quart Special Item No. 21-41</u>
Suggested List Price:	\$2.25	\$3.75
Government Discount:	5 %	5 %
Government Net Price:	\$2.14	\$3.56

NOTE: Only pint containers can be inserted in the "400" Series Reader-Printers.

# MAINTENANCE—GMA PRICES ON MICROFILM EQUIPMENT

Special Item 21-2

Equipment	No. of Annual Insp.	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
100	4	\$100.00	\$115.00	\$130.00	\$145.00	\$160.00
100MIF	4	100.00	115.00	130.00	145.00	160.00
100M	4	150.00	165.00	180.00	195.00	210.00
200	6	160.00	175.00	190.00	205.00	220.00
200R	6	160.00	175.00	190.00	205.00	220.00
300	6	250.00	265.00	280.00	295.00	310.00
400C	6	200.00	215.00	230.00	245.00	260.00
400M	6	200.00	215.00	230.00	245.00	260.00
400B	6	150.00	165.00	180.00	195.00	210.00
400F	6	150.00	165.00	180.00	195.00	210.00
400FF	6	200.00	215.00	230.00	245.00	260.00
400CR	4	100.00	115.00	130.00	145.00	160.00
400CR-T	4	100.00	115.00	130.00	145.00	160.00
400C-T	6	200.00	215.00	230.00	245.00	260.00
400 Page Search Reader	6	350.00	365.00	380.00	395.00	410.00
400 Page Search Reader-Printer	6	400.00	415.00	430.00	445.00	460.00
"111" Dry Silver Printer	4	150.00	165.00	180.00	195.00	210.00
"222" Dry Silver Printer	4	150.00	165.00	180.00	195.00	210.00
"333" Dry Silver Printer	12	600.00	620.00	640.00	660.00	680.00
Hand Mounter	2	40.00	47.00	54.00	61.00	68.00
Designer 184	2	40.00	47.00	54.00	61.00	68.00
Uniprinter 086	3	135.00	145.00	155.00	165.00	175.00
SAM	6	250.00	265.00	280.00	295.00	310.00
*1000	12	500.00	520.00	540.00	560.00	580.00
*2000 & 2000 (B) — (C) — (D)	12	500.00	520.00	540.00	560.00	580.00
*2000E	12	600.00	620.00	640.00	660.00	680.00
"Executive" Reader-Printers	2	35.00	42.00	49.00	56.00	63.00
*Model 3400 Cartridge Camera	6	200.00	215.00	230.00	245.00	260.00
*3400BE Cartridge Camera	6	260.00	275.00	290.00	305.00	320.00
Dupliprinter	4	210.00	220.00	230.00	240.00	250.00
500M	6	200.00	215.00	230.00	245.00	260.00
500C	6	200.00	215.00	230.00	245.00	260.00
500CR	4	\$100.00	\$115.00	\$130.00	\$145.00	\$160.00
500 Page Search R.P.	6	400.00	415.00	430.00	445.00	460.00
500F	6	150.00	165.00	180.00	195.00	210.00
COR-701 Reader	2	60.00	67.00	74.00	81.00	88.00

Note: A 5% discount is allowed if five to nine machines are covered at one location.

A 10% discount is allowed if ten or more machines are covered at one location, except where indicated by asterisk.



**Zone 1**—Within corporate limits or 15 miles from dealer's office.

**Zone 2**—Within 15 miles of Zone 1 (15-30 miles from dealer's office or corporate limits)

**Zone 3**—Within 15 miles of Zone 2 (30-45 miles from dealer's office or corporate limits)

**Zone 4**—Within 15 miles of Zone 3 (45-60 miles from dealer's office or corporate limits)

**Zone 5**—Within 15 miles of Zone 4 (60-75 miles from dealer's office or corporate limits)

The Zone Rate beyond Zone 5 is an "open market" item and shall be agreed upon between the local authorized dealer and the Government.

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**MAINTENANCE**

**GMA PRICES ON**

**MICROFILM EQUIPMENT**

Maintenance under this agreement consists of the number of periodic inspections specified to include inspection, adjusting, cleaning, and lubrication of equipment covered (exclusive of normal operator maintenance in accordance with manufacturer's operator manuals). This agreement also includes interim service calls, as requested by the user and necessary to keep the equipment in good operating condition in accordance with contractor's specifications, exclusive of labor outside contractor's normal business hours and labor or parts required by reason of:

- (a) negligence, misuse or abuse, or failure to follow contractor's instructions in the care, handling and operation of the equipment;
- (b) servicing by other than contractor's authorized personnel;
- (c) use of other than standard parts recommended by the contractor;
- (d) operation of the equipment in other than normal office conditions and environment;
- (e) failure to obtain contractor's prior authorization of and follow contractor's instructions for the movement or transfer of equipment; or
- (f) repair or replacement of lamps, fuses, sponge rollers, and other normally consumable items.

The transfer of equipment to a location outside the normal servicing area will exclude it from this agreement and subject it to be considered and agreed upon individually. Transfer of equipment to a different zone within the service area subjects this agreement to the applicable rate for that new zone.

For any accessories on the equipment, additional charges will be applicable and are to be agreed upon outside the scope of this agreement.

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# RENTAL Special Item 21-5 (Domestic Models Only)

## RATES

\*NOTE: ZONE CHARGES are applicable to ALL UNITS.

Model		Zone 1 * Rental Per Machine Per Month	Minimum Charge Per Machine
"400C-T"	Reader-Printer	\$ 82.45	\$ 494.70
"400F"	Reader-Printer (7" x 8" Holder)	58.20	349.20
"400 Page Search"	Reader	164.90	989.40
"400 Page Search"	Reader-Printer	179.45	1,076.70
(Above models available at indicated rates with or without wide screen)			
"500CR"	Reader ( <i>less than 5</i> on single order)	43.65	261.90
"500CR"	Reader ( <i>5 or more</i> on single order)	37.83	226.98
"500C"	Reader-Printer	111.55	669.30
"500F"	Reader-Printer (7" x 8" Holder)	83.42	500.52
"500M"	Motorized Reader-Printer	101.85	611.10
"500 Page Search"	Reader-Printer	213.40	1,280.40
"COR 701"	Reader	60.14	360.84

### MODEL "500CR" READER

When an order for less than 5 machines is increased by subsequent amendment(s) to total 5 or more machines and providing they are billable to a single address, the additional units shall be billed at the 5 or more rate. The original units (totaling less than 5) shall remain billable at the higher rate until the minimum charge per machine has been reached.

### ACCESSORIES

**Half Sheet / Full Sheet Kit:** Gov't Rental Rate—\$9.70 per month

**Additional Lens:** Gov't Rental Rate—\$4.85 per month

### RATES FOR CONTINUATION OF RENTAL FOR FOLLOWING UNITS ONLY:

Model	Zone 1 * Rental Per Month
"400CR-T" Traversing Cartridge Reader (with or without wide screen)	<b>\$38.80</b>
"400CR" Non-Traversing Cartridge Reader (with or without wide screen)	38.80
"400C" Non-Traversing Cartridge Reader-Printer	72.00
"400C" Non-Traversing Cartridge Reader-Printer (with wide screen)	78.50

## ZONE CHARGES

To rates shown, add \$1.00 per month, per Zone beyond Zone 1, based on proximity of installation to servicing dealer's office according to the schedule listed below.

### ZONES

**Zone 1**—Within corporate limits or 15 miles from dealer's office.

**Zone 2**—Within 15 miles of Zone 1 (15-30 miles from dealer's office or corporate limits).

**Zone 3**—Within 15 miles of Zone 2 (30-45 miles from dealer's office or corporate limits).

**Zone 4**—Within 15 miles of Zone 3 (45-60 miles from dealer's office or corporate limits).

**Zone 5**—Within 15 miles of Zone 4 (60-75 miles from dealer's office or corporate limits).

The Zone Rate beyond Zone 5 is an "open market" item and shall be agreed upon between the local authorized dealer and the Government.



## PURCHASE OPTION

To purchase a machine on rental a credit in accordance with the following table, up to 100 % of the purchase price, may be applied to the GSA purchase price at the inception of the rental or the current GSA purchase price, whichever is lower.

<u>Time of Purchase</u>	<u>Amount of Credit (% of Rentals Paid)</u>
Within 90 days of initial rental	85 %
Between 91 and 180 days of initial rental	70 %
After 180 days of initial rental	60 %

Rental credit applies to specific equipment originally installed and rented continuously by the same Federal Agency. Such credit shall accrue continuously from one lease period to another. Rental Credit cannot be transferred to another agency.

Equipment is guaranteed for 90 days after purchase option is exercised.

### FOR FOLLOWING CARTRIDGE UNITS ("400" SERIES)

The following machine Purchase Option applies only to existing machine installations. Rental credit will be applied to the prices set forth below:

<u>Model</u>	<u>Qty.</u>	<u>Suggested List Price</u>	<u>Gov't Discount</u>	<u>Gov't Net Price</u>
"400C"	1	\$1,750.00	6 %	\$1,645.00
	2		9 %	1,592.50
	3		10 %	1,575.00

**NOTE:** Above price includes lens. If order includes Wide Screen Kit, add \$185.25 (\$195 List Price less 5 %)

"400CR"	1	\$1,250.00	6 %	\$1,175.00
	2		9 %	1,137.50
	3		10 %	1,125.00

**NOTE:** Above price includes lens. If order includes Wide Screen Kit, add \$126.35 (\$133 List Price less 5 %)

"400CR-T"	1	\$1,130.00	6 %	\$1,062.20
	2		9 %	1,028.30
	3		10 %	1,017.00

**NOTE:** Above price does not include lens. Add \$109.25 (\$115.00 List Price less 5 %)  
If order includes Wide Screen Kit, add \$126.35 (\$133 List Price less 5 %)

## **TERMS OF RENTAL**

For the continuing rental of machine placements originated at the "Additional Quantity Discounted Rates" in contract GS-OOS-04438 as amended (Fiscal Year 1972), the rental rates will remain unchanged provided the quantity of machines continuing on rental meets the stated requirements for those discounted rates. Otherwise, rental rates shown in this schedule will apply.

Title to the equipment and to any additional or replacement equipment installed by contractor hereunder is and at all times shall remain in the contractor unless and until Purchase Option is exercised hereunder. The Government agrees that the contractor shall have the right to remove the equipment on or after the effective date of any termination of this rental agreement and to inspect the equipment at any time during the period of rent.

In no event shall the contractor be liable for any injury, loss, or damage, direct, or consequential, arising out of the use of or inability to use the equipment. The Government agrees to be liable for and indemnify the contractor against any damage to the equipment caused by the Government or by a third party. (See "Maintenance under Rental")

### **RENTAL PAYMENTS**

The Government's payments for rental rates shall be due monthly in accordance with contractor's invoices.

### **TERMINATION**

The contractor may terminate this agreement at any time if materials are used or functions performed for which the equipment is not designed or if the equipment is being misused or abused. Any termination by the Government shall be effective no sooner than Thirty (30) Days after contractor's receipt of termination notice.

## **MAINTENANCE UNDER RENTAL**

Rental Rates include such service by the contractor as is requested by the user and necessary to keep the equipment in good operating condition in accordance with contractor's specifications, exclusive of labor outside contractor's normal business hours and labor or parts required by reason of:

- (a) negligence, misuse or abuse, or failure to follow contractor's instructions in the care, handling and operation of the equipment;
- (b) servicing by other than contractor's authorized personnel;
- (c) use of other than standard parts recommended by the contractor;
- (d) operation of the equipment in other than normal office conditions and environment;
- (e) failure to obtain contractor's prior authorization of and follow contractor's instructions for the movement or transfer of equipment, or
- (f) repair or replacement of lamps, fuses, sponge rollers, and other normally consumable items.

The transfer of equipment to a location outside the normal servicing area will exclude it from this agreement and subject it to be considered and agreed upon individually. Transfer of equipment to a different zone within the service area subjects this agreement to the applicable rate for that new zone.

For all maintenance not included in Rental Rates as provided above, the Government agrees to pay contractor at then prevailing rates for parts and labor, including transit time to and from equipment installation site.



# EXPORT PACKING

This schedule is for use on orders from the U.S. Government requesting export packing.

There is no charge for Standard Commercial Export packing.

## MACHINES

<u>Special Item No.</u>	<u>Machine</u>	<u>Level "A"</u>
21-14	3M "200" Reader-Printer	\$ 84.90
21-17	3M "400" and "500" Readers	54.30
21-14 & 21-18	3M "400" and "500" Reader-Printers	54.30
21-15	3M Hand Mounter	29.60
21-15	3M Semi-Automatic Mounter	69.50
21-1	3M "2000" Processor-Camera and "3400" Cartridge Camera	69.50
21-16	3M "333" Dry Silver Printer	106.00

Packaging 10% less in quantities of 25 or more. Costs shown are per unit.

## SUPPLIES

<u>Type</u>	<u>LEVEL "A"</u>			
	<u>1-49 ROLLS</u>	<u>50-99 ROLLS</u>	<u>100-499 ROLLS</u>	<u>500-Up ROLLS</u>
All 11"-18" Micro- film Roll Paper	\$4.40	\$3.50	\$3.12	\$2.98
All 8"-8½" Micro- film Roll Paper	3.50	2.81	2.53	2.44

<u>Item</u>	<u>Level "A"</u>
All Solutions (Pints & Quarts)	\$ 5.25
Spare Parts (Per Hundredweight) *	13.30

Costs shown are per carton of manufacturer's standard shipping increment.

Minimum Charge for Level "A" 3M Export Packing is \$15.00 per order.

\*Cartridges for "400" & "500" Readers & Reader-Printers, and "3400" Cameras Level "A" price same as Spare Parts (Per Hundredweight).

# 3M BRAND NATIONWIDE SERVICE...

## Available from these Authorized Dealers

**NOTE:** When orders for items in this schedule are being placed with one of these Authorized Dealers, the order **MUST** be made out to the contractor, **3M BUSINESS PRODUCTS SALES INC.**  
c/o the appropriate Authorized Dealer  
...See page 3 for complete ordering instructions.

### ALABAMA

**Birmingham** Zip 35205  
Bodine-Bryson & Rolling, Inc.  
912 South 18th Street  
Phone: (205) 933-7745  
**Birmingham** Zip 35233  
Bodine-Bryson & Rolling, Inc.  
719 South 20th  
Phone: (205) 322-1781  
**Birmingham** Zip 35201  
3201 6th Ave.  
Phone: (205) 251-4201  
**Huntsville** Zip 35805  
Bodine-Bryson & Rolling, Inc.  
2319 Bob Wallace S.W.  
Phone: (205) 539-3731  
**Mobile** Zip 36606  
Bodine-Bryson & Rolling, Inc.  
1102 Government Street  
Phone: (205) 433-5497  
**Montgomery** Zip 36104  
Bodine-Bryson & Rolling, Inc.  
526 South Court Street  
P.O. Box 4128  
Phone: (205) 265-9521

### ALASKA

**Anchorage** Zip 99501  
Yukon Office Supply, Inc.  
935 Gambell St.  
Phone: (907) 277-1531  
**Fairbanks** Zip 99701  
Yukon Office Supply of Fairbanks, Inc.  
511 Gafney Road  
Phone: (907) 452-1148  
**Juneau** Zip 99801  
Yukon Office Supply, Inc.  
148 Marine Way  
Phone: (907) 586-6060  
**Ketchikan** Zip 99901  
Yukon Office Supply, Inc.  
407 Dock Street  
Phone: (907) 225-4111

### ARIZONA

**Tucson** Zip 85703  
Hughes-Calihan Corp. of Tucson  
415 East Third Street  
P.O. Box 5531  
Phone: (602) 623-0351  
**Phoenix** Zip 85016  
Hughes-Calihan Corporation  
4730 North 16th Street  
Phone: (602) 264-9631

### CALIFORNIA

**Chico** Zip 95926  
Ray Morgan Company  
554 Rio Lindo  
Phone: (916) 343-6065  
**Fresno** Zip 93701  
3M Business Products Sales Inc.  
441 North Van Ness Avenue  
Phone: (209) 485-2521

**Los Angeles** Zip 90020  
3M Business Products Sales Inc.  
3407 West Sixth Street, Suite 100  
Phone: (213) 381-7261

**Sacramento** Zip 95814  
Sacramento Graphic Systems Inc.  
1930 H Street  
Phone: (916) 444-8420

**San Bernardino** Zip 92408  
Martin Business Machines  
216 S. Arrowhead  
P.O. Box 1170  
Phone: (714) 885-7576

**San Diego** Zip 92110  
3M Business Products Sales Inc.  
1364 Morena Boulevard  
Phone: (714) 276-8000

**San Francisco** Zip 94101  
3M Business Products Sales Inc.  
620 Fulton Street  
Phone: (415) 982-7400

**Santa Barbara** Zip 93102  
3M Business Products Sales Inc.  
202 East Cota Street  
P.O. Box 240  
Phone: (805) 963-2091

**Stockton** Zip 95202  
George W. Lucas Company  
1421 North El Dorado Street  
Phone: (209) 466-3063

### COLORADO

**Denver** Zip 80204  
3M Business Products Sales Inc.  
707 Federal Blvd.  
Phone: (303) 893-6600

### CONNECTICUT

**Hartford** Zip 06101  
3M Business Products Sales Inc.  
One Maxim Road  
P.O. Box 2017  
Phone: (203) 278-9600

**New Haven** Zip 06509  
3M Business Products Sales Inc.  
67 Whitney Avenue  
P.O. Box 1962  
Phone: (203) 787-6761

### DELAWARE

**Wilmington** Zip 19809  
3M Business Products Sales Inc.  
514 Philadelphia Pike  
P.O. Box 2173  
Phone: (302) 764-7454

### FLORIDA

**Jacksonville** Zip 32206  
Enfield's  
1063 Haines Street  
Phone: (904) 355-4721

**Lakeland** Zip 33802  
Lanier Systems Co. of Florida Inc.  
2624 Industrial Park Drive  
Phone: (813) 683-6487

**Miami** Zip 33132  
Enfield's  
4000 N.W. 30th Avenue  
Phone: (305) 633-1551

**Pensacola** Zip 32501  
Bodine-Bryson & Rolling, Inc.  
282 N. Palafax St.  
Phone: (904) 432-8313

**Sarasota** Zip 33579  
Lanier Business Products  
4037 South Tamiam Trail

**Tallahassee** Zip 32303  
Lanier Business Products  
604 North Bronough Street  
P.O. Box 3546 MSS  
Phone: (904) 224-5128

**Tampa** Zip 33609  
Lanier Business Products  
1325 South Grady  
Phone: (813) 872-9321

**West Palm Beach** Zip 33401  
Lanier Business Products  
823 North Olive Street  
Phone: (305) 655-3455

**Winter Park** Zip 32789  
Lanier Business Products  
851 West Morse Boulevard  
Phone: (305) 647-7103

### GEORGIA

**Atlanta** Zip 30324  
3M Business Products Sales Inc.  
1706 Chantilly Drive N.E.  
Phone: (404) 631-3676

**Atlanta** Zip 30301  
Lanier Management, Inc.  
1700 Chantilly Drive N.E.  
Phone: (404) 631-0911

**Augusta** Zip 30904  
Lanier Systems Co.  
2046 Gordon Highway  
Phone: (404) 733-1118

**Columbus** Zip 31906  
Lanier Business Products  
1153 Henry Avenue  
Phone: (404) 322-2557

**Macon** Zip 31204  
3M Business Products Sales Inc.  
881 Lee Road  
P.O. Box 7285  
Phone: (912) 746-0538

### HAWAII

**Honolulu**  
Earle M. Alexander, Ltd.  
1020 Auahi Street, Zip 96814  
P.O. Box 136, Zip 96810  
Phone: (808) 531-5222



## IDAHO

**Boise** Zip 83701  
Finch Brown Co.  
213 North Tenth Street  
P.O. Box 1818  
Phone: (208) 342-9345

**Idaho Falls** Zip 83401  
Yost's Office Systems, Inc.  
675 East Anduson St.  
Phone: (208) 523-3549

## ILLINOIS

**Chicago** Zip 60611  
3M Business Products Sales Inc.  
500 North Michigan Avenue  
Phone: (312) 828-9220

**Peoria** Zip 61614  
3M Business Products Sales Inc.  
4538 West War Memorial Drive  
Phone: (309) 691-8961

**Rockford** Zip 61108  
3M Business Products Sales Inc.  
1214 East State Street  
Phone: (815) 963-8405

**Springfield** Zip 62703  
3M Business Products Sales Inc.  
1215 South Fifth Street  
Phone: (217) 522-7725

## INDIANA

**Fort Wayne** Zip 46802  
3M Business Products Sales Inc.  
4830 Lima Road  
Phone: (219) 483-9571

**Indianapolis** Zip 46220  
3M Business Products Sales Inc.  
2445 East 54th Street  
Phone: (317) 253-4185

**South Bend** Zip 46618  
St. John Business Machines, Inc.  
1134 Lincolnway East  
Phone: (219) 282-2355

## IOWA

**Davenport** Zip 52807  
3M Business Products Sales Inc.  
1120 East Kimberly Road  
P.O. Box 1199  
Phone: (319) 391-3100

**Des Moines** Zip 50306  
Koch Brothers  
217 Grand Avenue  
P.O. Box 1755  
Phone: (515) 283-2451

**Waterloo** Zip 50701  
Advanced Systems, Inc.  
2700 Airline Highway  
Box 778  
Phone: (319) 234-4651

## KANSAS

**Topeka** Zip 66614  
Modern Office Methods, Inc.  
3214 West 29th Street  
Phone: (913) 272-7704

**Wichita** Zip 67209  
3M Business Products Sales Inc.  
4800 West Kellogg  
Phone: (316) 943-9364

## KENTUCKY

**Lexington** Zip 40503  
3M Business Products Sales Inc.  
365 Southland Drive  
Phone: (606) 278-8427

**Louisville** Zip 40213  
3M Business Products Sales Inc.  
1189 Prestonia Lane  
Phone: (502) 361-2616

## LOUISIANA

**Baton Rouge** Zip 70806  
Lanier Systems Co. of La., Inc.  
1906 Beaumont  
Phone: (504) 926-8300

**La Fayette** Zip 70501  
Lanier Systems of La. Inc.  
908 Coolidge  
P.O. Box 52605  
Phone: (318) 232-9821

**Monroe** Zip 71201  
Lanier Systems of La. Inc.  
304 Pine Street  
P.O. Box 2658  
Louisville Station  
Phone: (318) 387-4451

**New Orleans** Zip 70005  
Lanier Business Products  
734 Martin Behrman Avenue  
Phone: (504) 834-6111

**Shreveport** Zip 71101  
C. F. Biggs Company, Inc.  
1800 Market Street  
Phone: (318) 425-5333

## MAINE

**Portland** Zip 03101  
Stimpson Copy Products, Inc.  
686 Congress Street  
Phone: (207) 774-6131

## MASSACHUSETTS

**Boston** Zip 02210  
Microfilm Products Div.  
of Spaulding Co. Inc.  
100 Providence Hwy.  
Phone: (617) 329-4666

**Waltham** Zip 02154  
Graphic Microfilm of New England,  
Inc.  
1560 Trapelo Road  
Route 128  
Phone: (617) 894-9494

**Worcester** Zip 01613  
G.E. Stimpson Company, Inc.  
Microfilm Division  
Gold Star Distributor Park  
Box 189  
Phone: (617) 757-5651

## MARYLAND

**Baltimore** Zip 21204  
3M Business Products Sales Inc.  
North Charles Street & Beltway  
P.O. Box 6821  
Phone: (301) 825-7050

## MICHIGAN

**Detroit** Zip 48075  
3M Business Products Sales Inc.  
22100 Telegraph Road  
Phone: (313) 444-8686

**Grand Rapids** Zip 49505  
Commercial Equipment Company  
2225 Oak Industrial Drive  
Phone: (616) 459-1161

**Lansing** Zip 48912  
3M Business Products Sales Inc.  
537 North Clippert  
Phone: (517) 332-3521

**Saginaw** Zip 48607  
3M Business Products Sales Inc.  
803 South Washington  
Phone: (517) 752-6101

## MINNESOTA

**Twin Cities** Zip 55423  
3M Business Products Sales Inc.  
1620 East 78th Street  
Minneapolis, Minnesota  
Phone: (612) 861-2211

## MISSISSIPPI

**Gulfport** Zip 39501  
Lanier Business Products  
0729 Pass Road  
P.O. Box 6662 Hansboro Station  
Phone: (601) 896-1212

**Jackson** Zip 39201  
3M Business Products Sales Inc.  
119 East Pearl  
Phone: (601) 353-9658

## MISSOURI

**Jefferson City** Zip 65102  
Electronic Business Equipment, Inc.  
200 East McCarty Street  
Phone: (314) 635-6868

**Kansas City** Zip 64108  
Electronic Business Equipment, Inc.  
1500 Grand Avenue  
Phone: (816) 221-6400

**St. Joseph** Zip 64501  
Electronic Business Equipment, Inc.  
111 South Seventh Street  
Phone: (816) 232-8929

**St. Louis** Zip 63103  
Dr-Com Corp.  
1601 Washington Avenue  
Phone: (314) 436-2800

**Springfield** Zip 65806  
American Business Systems Co.  
416 South Jefferson  
Phone: (417) 866-4602

## MONTANA

**Butte** Zip 59701  
3M Business Products Sales Inc.  
126 West Broadway  
Phone: (406) 792-4236

## NEBRASKA

**Hastings** Zip 68901  
Modern Office Methods  
526 West 3rd Street  
P.O. Box 985  
Phone: (402) 462-5143

**Lincoln** Zip 68510  
Exon's Incorporated  
2246 "O" Street  
Phone: (402) 477-4404

**Omaha** Zip 68131  
3M Business Products Sales Inc.  
4016 Farnam Street  
Phone: (402) 558-2080

## NEVADA

**Las Vegas** Zip 89104  
3M Business Products Sales Inc.  
525 South 13th Street  
Phone: (702) 384-4511

**Reno** Zip 89502  
Gordon H. Huber Company  
1900 Vassar Street  
Phone: (702) 322-4552

## NEW HAMPSHIRE

**Manchester** Zip 03105  
3M Business Products Sales Inc.  
Highway Rt. 101  
Phone: (603) 622-3733

## NEW JERSEY

**Paramus** Zip 07652  
3M Business Products Sales Inc.  
70 Eisenhower Drive  
Phone: (201) 843-0500

**Trenton** Zip 08638  
3M Business Products Sales Inc.  
1719 Brunswick Avenue  
Phone: (609) 396-1565

## NEW MEXICO

**Albuquerque** Zip 87110  
Business Machines Center, Inc.  
6513 Lomas N.E.  
Phone: (505) 265-8383

## NEW YORK

**Albany** Zip 12206  
Nichols Business Equipment, Inc.  
1218 Central Avenue  
Phone: (518) 459-1050

**Binghamton** Zip 13850  
3M Business Products Sales Inc.  
2548 Vestal Parkway E.  
P.O. Box 412  
Vestal, New York  
Phone: (607) 798-9313

**Buffalo** Zip 14225  
3M Business Products Sales Inc.  
3389 Harlem Road  
Phone: (716) 835-9900

**Elmsford** Zip 10523  
3M Business Products Sales Inc.  
141 East Main Street  
Phone: (914) 592-6220

**Manhattan** Zip 10022  
3M Business Products Sales Inc.  
845 Third Avenue, New York, N.Y.  
Phone: (212) 688-2030

**Melville** Zip 11746  
3M Business Products Sales Inc.  
900 Walt Whitman Road  
Phone: (516) 427-2400

**Rochester** Zip 14623  
Business Methods Inc.  
150 Metro Park  
Phone: (716) 271-8000

**Syracuse** Zip 13206  
Nichols Business Equipment, Inc.  
Deere Road—Industrial Park  
Phone: (315) 463-8594

**Utica** Zip 13501  
Nichols Business Equipment, Inc.  
19 Hopper Street  
Phone: (315) 797-2820

#### NORTH CAROLINA

**Charlotte** Zip 28203  
Cavin's Business Products, Inc.  
226 Marsh Rd.  
P.O. Box 3981  
Phone: (704) 525-3321

**Durham** Zip 27707  
Cavin's Incorporated  
Forest Hills Shopping Center  
Phone: (919) 489-2333

**Fayetteville** Zip 28303  
Cavin's Business Products, Inc.  
724 Hay Street  
P.O. Box 5047  
Phone: (919) 485-5151

**Greensboro** Zip 27403  
Cavin's Incorporated  
1602 Spring Garden Street  
Phone: (919) 275-0454

#### NORTH DAKOTA

**Bismarck** Zip 58501  
Copying & Visual Products Co.  
1700 Schafer Street  
Phone: (701) 223-6033

**Minot** Zip 58701  
Copying & Visual Products Co.  
115 First Avenue S.W.  
P.O. Box 1244  
Phone: (701) 832-5212

#### OHIO

**Akron** Zip 44308  
Graphic Systems, Inc.  
340 South High  
Phone: (216) 434-4596

**Canton** Zip 44714  
Graphic Systems, Inc.  
2970 North Market Avenue  
Phone: (216) 452-8831

**Cincinnati** Zip 45203  
3M Business Products Sales Inc.  
1011 West Eighth Street  
Phone: (513) 421-1331

**Cleveland** Zip 44144  
3M Business Products Sales Inc.  
4850 Ridge Road  
Phone: (216) 661-8840

**Columbus** Zip 43221  
3M Business Products Sales Inc.  
2035 Riverside Drive  
Phone: (614) 486-7712

**Dayton** Zip 45402  
J. M. Woodhull, Inc.  
719 South Main Street  
Phone: (513) 461-5734

**Lima** Zip 45801  
Perry Corporation  
545 West Market Street  
Phone: (419) 223-0786

**Mansfield** Zip 44907  
Don Barr, Inc.  
2666 Lexington Avenue  
P.O. Box 1586  
Phone: (419) 884-2031

**Toledo** Zip 43606  
3M Business Products Sales Inc.  
4215-4217 Monroe Street  
Phone: (419) 479-4403

**Youngstown** Zip 44512  
Graphic Systems, Inc.  
4986 Market Street  
Phone: (216) 788-8753

#### OKLAHOMA

**Oklahoma City** Zip 73112  
Microfilm Products, Inc.  
2724 N.W. 39th  
Phone: (405) 943-9801

**Tulsa** Zip 74103  
J. D. Young Company, Inc.  
116 West Third Street  
Phone: (918) 582-9955

#### OREGON

**Eugene** Zip 97402  
Business Equipment Center, Inc.  
941 West Seventh Avenue  
P.O. Box 1848  
Phone: (503) 345-3381

**Medford** Zip 97501  
3M Business Products Sales Inc.  
1309 Court Street, P.O. Box 130  
Phone: (503) 779-2261

**Portland** Zip 97214  
Business Equipment Bureau  
Copying Products Division  
1700 S.E. 11th Avenue  
Phone: (503) 233-6182

**Salem** Zip 97302  
Business Equipment Bureau  
1290 Hoyt Street S.E.  
Phone: (503) 364-6849

#### PENNSYLVANIA

**Bethlehem** Zip 18017  
3M Business Products Sales Inc.  
2640 Schoenersville Road  
Phone: (215) 867-0502

**Erie** Zip 16508  
3M Business Products Sales Inc.  
3408 State Street  
P.O. Box 3246  
Phone: (814) 454-4557

**Harrisburg** Zip 17105  
3M Business Products Sales Inc.  
1715 Slate Hill Road  
P.O. Box 5037  
Phone: (717) 233-6776

**Johnstown** Zip 15905  
3M Business Products Sales Inc.  
1752 Lyter Drive  
Westmont Plaza  
Phone: (814) 255-4131

**Philadelphia** Zip 08109  
3M Business Products Sales Inc.  
6985 Airport Highway Lane  
Pennsauken, New Jersey  
Phone: (609) 665-6770

**Pittsburgh** Zip 15220  
3M Business Products Sales Inc.  
820 Parish Street  
Phone: (412) 922-4070

#### RHODE ISLAND

**East Providence** Zip 02914  
3M Business Products Sales Inc.  
969 Waterman Avenue  
Phone: (401) 434-1411

#### SOUTH CAROLINA

**Columbia** Zip 29205  
The Macdonald Company  
6041 Devine Street  
P.O. Box 5856  
Phone: (803) 776-2400

#### SOUTH DAKOTA

**Sioux Falls** Zip 57102  
Best Business Machines, Inc.  
313 First Avenue South  
Phone: (605) 339-1223

#### TENNESSEE

**Kingsport** Zip 37664  
The Jack Anderson Company  
3132 Memorial Boulevard  
Phone: (615) 245-7921

**Knoxville** Zip 37921  
3M Business Products Sales Inc.  
2125 University Avenue N.W.  
Phone: (615) 546-2373

**Memphis** Zip 38103  
3M Business Products Sales Inc.  
638 Jefferson Avenue  
Phone: (901) 525-8451

**Nashville** Zip 37203  
Electric Business Machines, Inc.  
1701 Broadway  
Phone: (615) 242-0421

#### TEXAS

**Abilene** Zip 79601  
Copy Machines, Inc.  
781 Cypress  
Phone: (915) 673-7383

**Amarillo** Zip 79105  
The Baker Company  
P.O. Box 1610  
Phone: (806) 373-4258

**Dallas** Zip 75050  
3M Business Products Sales Inc.  
1001 Fountain Parkway  
Grand Prairie, Texas  
Phone: (214) 263-6411

**El Paso** Zip 79923  
Copy Machines, Inc.  
2514 East Yandell  
P.O. Box 3068  
Phone: (915) 533-4241

**Houston** Zip 77036  
3M Business Products Sales Inc.  
6541 Southwest Freeway  
P.O. Box 36346  
Phone: (713) 774-7551

**Lubbock** Zip 79408  
The Baker Company  
P.O. Box 1920  
Phone: (806) 763-3433

**Midland** Zip 79701  
Copy Machines, Inc.  
2805 North Big Spring Street  
Phone: (915) 682-8625

**San Antonio** Zip 78209  
3M Business Products Sales Inc.  
1313 N.E. Loop Expressway  
Phone: (512) 828-0511

#### UTAH

**Salt Lake City** Zip 84111  
A. H. Pembroke Company  
333 South Third Street East  
Phone: (801) 363-3861

#### VIRGINIA

**Norfolk** Zip 23502  
3M Business Products Sales Inc.  
3 Tidewater Executive Center  
Phone: (703) 497-8919

**Richmond** Zip 23225  
3M Business Products Sales Inc.  
6517 Everglades Drive  
P.O. Box 9066  
Phone: (703) 276-2204

**Roanoke** Zip 24012  
3M Business Products Sales Inc.  
3637 Williamson Road N.W.  
P.O. Box 5523  
Phone: (703) 362-3331

#### WASHINGTON

**Seattle** Zip 98004  
3M Business Products Sales Inc.  
3000 N.E. Northrup Way  
Phone: (206) 827-4611

**Spokane** Zip 99204  
Seeley Business Systems, Inc.  
1319 West First Avenue  
Phone: (509) 838-2971

**Yakima** Zip 98902  
3M Business Products Sales Inc.  
711 West Yakima Avenue  
P.O. Box 2308  
Phone: (509) 452-9146

#### WASHINGTON, D.C.

**Springfield, Virginia** Zip 22151  
3M Business Products Sales Inc.  
5570-80 Port Royal Road  
Phone: (703) 321-8400



**WEST VIRGINIA**

Charleston Zip 25302  
3M Business Products Sales Inc.  
509 Central Ave.  
P.O. Box 6100  
Phone: (304) 344-3488  
Wheeling Zip 26001  
3M Business Products Sales Inc.  
1911 Warwood Avenue  
Phone: (304) 277-1350

**WISCONSIN**

La Crosse Zip 54601  
Tri-State Business Machines  
1200 State Street  
Phone: (608) 782-2100  
Milwaukee Zip 53226  
3M Business Products Sales Inc.  
2457 North Mayfair Road  
Phone: (414) 774-7856

**WYOMING**

Cheyenne Zip 82001  
3M Business Products Sales Inc.  
1400 Hugur Avenue  
P.O. Box 2001, Airport Station  
Phone: (307) 632-9284

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## 3M INTERNATIONAL SUBSIDIARIES

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ORDERS MAY NOT BE PLACED UNDER CONTRACT—LISTING IS FOR  
INFORMATION ONLY—NOT A CONTRACT ITEM

**ARGENTINA**

Minnesota (3M) Argentina  
S.A.C.I.F.I.A.  
Tucuman 117  
Buenos Aires, Argentina  
Attn: Mr. C. L. Tomkinson  
Phone: 32-6591  
Cable: TRESEME

**AUSTRALIA**

3M Australia Pty. Ltd.  
Box 95, Post Office  
Pymble, N.S.W.  
2073 Australia  
Attn: Mr. H. W. Clarke  
Phone: 498-0033  
Cable: TRIMINCO

**AUSTRIA**

Minnesota 3M Technische  
Vertriebsgesellschaft m.b.H.  
P.O. Box 611  
1011 Vienna, Austria  
Attn: Mr. P. Biro  
Phone: 86-26-71  
Cable: TRIMINCO

**BELGIUM**

Minnesota Mining & Mfg.  
(Belgium) S.A.  
Nijverheidslaan 7  
B 1920 Diegem, Belgium  
Attn: Mr. W.L.M. Truffino  
Phone: 02/20.51.60  
Cable: TRIMINCO

**BRAZIL**

3M Do Brasil, Ltda.  
Caixa Postal 123  
Campinas, Estado de Sao Paulo  
Brazil  
Attn: Mr. M. Mazzali  
Phone: 84101  
Cable: TRESEME

**CANADA**

Minnesota Mining & Mfg.  
of Canada, Ltd.  
P.O. Box 5757—Terminal "A"  
London, Ontario, Canada  
Attn: Mr. R. C. Tremblay  
Phone: 451-2500  
Cable: TRIMINCO

**COLOMBIA**

3M Colombia, S.A.  
Apartado Aereo 11091  
Bogota, Colombia  
Attn: Mr. L. Arroyo  
Phone: 413656  
Cable: TRESEME

**DENMARK**

3M A/S (Denmark)  
Fabriksparken 15  
DK-2600 Glostrup, Denmark  
Attn: Mr. F. Ziwes  
Phone: 96 70 00  
Cable: TRIMINDEN

**EAST AFRICA**

3M Mid-Africa, Ltd.  
P.O. Box 21210  
Nairobi, Kenya  
Attn: Mr. J. A. Kidd  
Phone: 67623  
Cable: TRIMINCO

**ENGLAND**

3M United Kingdom, Ltd.  
3M House  
Wigmore House  
London, W1A-IET, England  
Attn: Mr. M. J. Rossiter  
Phone: 01-486-5522  
Cable: MINNESOTA

**FAR EAST**

3M Far East, Ltd. (Hong Kong)  
Central P.O. Box 270  
Hong Kong, B.C.C.  
Attn: Mr. R. W. Smith  
Phone: H-223051  
Cable: TRIMINCO

**FINLAND**

Oy Suomen 3M Company AB  
Italahdenkatu 22  
Helsinki 20, Finland  
Attn: Mr. V. Wirtanen  
Phone: 670 271  
Cable: TRIMINCO

**FRANCE**

Minnesota 3M France, S.A.  
135 Boulevard Serurier  
75-Paris 19eme, France  
Attn: Mr. J. Duxin  
Phone: 202.80.80  
Cable: TRIMINCO

**GERMANY**

Minnesota Mining & Mfg. Co. mbH  
P.O. Box 5629  
Dusseldorf, Germany  
Attn: Mr. W. Scheffel  
Phone: 82241  
Cable: TRIMINCO

**GREECE**

3M Hellas S.A.I.  
P.O. Box 734  
Peristeri—Athens  
Greece  
Attn: Mr. H. R. Corsi  
Phone: 590.211  
Cable: TRIMINCO

**ITALY**

3M Italia S.p.A.  
P.O. Box 4298  
21100 Milano, Italy  
Attn: Mr. P. F. Parisi  
Phone: 780651  
Cable: TRIMINCO

**JAPAN**

Sumitomo 3M Ltd.  
Central P.O. Box 490  
Tokyo, Japan  
Attn: Mr. A. E. Eggert  
Phone: 403-1111  
Cable: TRIMINCO

**MALAYSIA**

3M Malaysia Sdn. Berhad  
P.O. Box 2196  
Kuala Lumpur, Malaysia  
Attn: Mr. R. J. Clout  
Phone: 84475  
Cable: TRIMINCO

**MEXICO**

3M Mexico SA de C.V.  
Apartado Postal 14-139  
Mexico 14, D.F., Mexico  
Attn: Mr. P.M.J. Auger  
Phone: 5-77-21-00  
Cable: TRESEME

**MIDDLE EAST**

(3M) Middle East, S.A.L.  
P.O. Box 2460  
Attn: Mr. H. Suyck  
Phone: 220010  
Cable: TRIMINCO

**NETHERLANDS**

Minnesota (Nederland) N.V.  
P.O. Box 193  
Leiden, Holland  
Attn: Mr. S. van der Zijden  
Phone: 45044  
Cable: TRIMINCO

## 3M International Subsidiaries cont'd

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### NEW ZEALAND

Minnesota Mining & Mfg.  
Co. Pty. Ltd.  
Box 33-246  
Auckland, New Zealand  
Attn: Mr. L. Gregg  
Phone: 449.129  
Cable: TRIMINCO

### NORWAY

3M Norge A/S  
P.O. Box 51  
Okern, Oslo 5, Norway  
Attn: Mr. S. Sutterud  
Phone: 15-16-10  
Cable: TRIMINCO

### PANAMA

Minnesota (3M) de Centro-america,  
S.A.  
Apartado 4454  
Panama 5, R.P.  
Attn: Mr. T. M. Kelly  
Phone: 23-5275  
Cable: TRESEME

### PERU

Minnesota (3M) del Peru, S.A.  
P.O. Box 1897  
Casilla Central  
Lima, Peru  
Attn: Mr. C. Camino  
Phone: 29082  
Cable: TRESEME

### PHILIPPINES

Minnesota (3M) Philippines, Inc.  
P.O. Box 4547  
Manila, Philippines 12123  
Attn: Mr. N. L. Escobar  
Phone: 60-54-13  
Cable: TRIMINCO

### PORTUGAL

Minnesota (3M) de Portugal, Lda.  
Ave. Infante Santo 40 C  
Lisbon 3, Portugal  
Attn: Mr. G. Mottet  
Phone: 67.74.71  
Cable: TRIMINCO

### PUERTO RICO

Minnesota (3M) de Puerto Rico, Inc.  
G.P.O. Box M  
San Juan, Puerto Rico 00936  
Attn: Mr. L. Recurt  
Phone: 783-0085  
Cable: TRESEME

### SINGAPORE

3M Singapore Pte. Ltd.  
No. 17 Leng Kee Road  
Singapore 3  
Attn: Mr. R. Jones  
Phone: 647444  
Cable: TRIMINCO

### SOUTH AFRICA

Minnesota Mining & Mfg. Co.  
(South Africa) Pty, Ltd.  
P.O. Box 10465  
Johannesburg,  
Republic of South Africa  
Attn: Mr. K. W. Glen  
Phone: 36-3211  
Cable: MIMACO

### SPAIN

Minnesota de Espana, S.A.  
Apartado 25  
Madrid, Spain  
Attn: Mr. P. Magarzo  
Phone: 2-79-76-00  
Cable: MINNESOTA

### SWEDEN

3M Svenska AB  
S-191 89 Sollentuna  
Attn: Mr. G. Persson  
Phone: 714-00-80  
Cable: TRIMINCO

### SWITZERLAND

Minnesota Mining Products, A.G.  
P.O. Box 232  
8021 Zurich, Switzerland  
Attn: Mr. B. Kaiser  
Phone: (051) 35-50-50  
Cable: TRIMINCO

### TAIWAN

Minnesota (3M) Taiwan Ltd.  
P.O. Box 1653  
Taipei, Taiwan  
Republic of China  
Attn: Mr. R.C.T. Wang  
Phone: 516089  
Cable: TRIMINCO

### THAILAND

3M Thailand Ltd.  
G.P.O. Box 1650  
Bangkok, Thailand  
Attn: Mr. G. Galyath  
Phone: 56323  
Cable: TRIMINCO

### VENEZUELA

Minnesota (3M) de Venezuela, C.A.  
Apartado de Correo #2083  
Caracas, Venezuela  
Attn: Mr. A. Bordone  
Phone: 54-75-11  
Cable: TRESEME











